

Data File : VV012580.D
Acq On : 05 Sep 2019 12:37
Operator : SY/MD
Sample : VSTD0.531
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Quant Time: Sep 06 02:43:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 06 02:40:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	141833	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	145481	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	58168	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6389	0.46	ug/L	0.00
7) Chloroethane-d5	1.58	69	5757	0.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	14328	0.42	ug/L	0.00
20) 2-Butanone-d5	3.89	46	221	0.08	ug/L	-0.08
24) Chloroform-d	4.41	84	8981	0.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	5257	0.47	ug/L	0.00
32) Benzene-d6	5.10	84	15632	0.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	4938	0.38	ug/L	0.00
41) Toluene-d8	7.36	98	11631	0.31	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1802	0.38	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	4276	2.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	3839	0.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	4634	0.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8417	0.465 ug/L	100
3) Chloromethane	1.25	50	10458	0.486 ug/L	97
5) Vinyl chloride	1.32	62	11043	0.475 ug/L	97
6) Bromomethane	1.54	94	7340	0.529 ug/L	97
8) Chloroethane	1.60	64	7783	0.487 ug/L	96
9) Trichlorofluoromethane	1.77	101	17743	0.498 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	9185	0.460 ug/L	97
12) 1,1-Dichloroethene	2.14	96	9170	0.497 ug/L	96
13) Acetone	2.23	43	18460	5.011 ug/L	79
14) Carbon disulfide	2.32	76	29042	0.488 ug/L	100
15) Methyl Acetate	2.47	43	4479	0.494 ug/L	93
16) Methylene chloride	2.53	84	13158	0.623 ug/L	89
17) Methyl tert-butyl Ether	2.81	73	15052	0.483 ug/L #	88
18) trans-1,2-Dichloroethene	2.78	96	7270	0.492 ug/L	93
19) 1,1-Dichloroethane	3.23	63	13763	0.484 ug/L	99
21) 2-Butanone	4.06	43	5189	1.457 ug/L	83
22) cis-1,2-Dichloroethene	3.96	96	6671	0.440 ug/L	90
23) Bromochloromethane	4.30	128	3231	0.528 ug/L #	85
25) Chloroform	4.43	83	17216	0.575 ug/L	97
27) 1,2-Dichloroethane	5.18	62	7943	0.456 ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	6209	0.257 ug/L #	37
30) Cyclohexane	4.72	56	9603	0.386 ug/L	95
31) Carbon tetrachloride	4.87	117	9503	0.449 ug/L	92
33) Benzene	5.14	78	25185	0.421 ug/L	100
34) Trichloroethene	5.96	95	7412	0.445 ug/L	94
35) Methylcyclohexane	6.17	83	8450	0.335 ug/L	86
37) 1,2-Dichloropropane	6.22	63	7639	0.474 ug/L #	96
38) Bromodichloromethane	6.56	83	8859	0.438 ug/L #	99
39) cis-1,3-Dichloropropene	7.07	75	7654	0.372 ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	34993	3.786 ug/L	93

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 06 02:40:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	22820	0.349	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	6464	0.395	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	4741	0.470	ug/L	96
47) Tetrachloroethene	8.02	164	5214	0.436	ug/L	91
48) 2-Hexanone	8.20	43	21776	3.345	ug/L	97
49) Dibromochloromethane	8.29	129	5051	0.426	ug/L	80
50) 1,2-Dibromoethane	8.40	107	3839	0.426	ug/L #	88
51) Chlorobenzene	8.92	112	16130	0.396	ug/L	95
52) Ethylbenzene	9.05	91	23548	0.334	ug/L	94
53) m,p-xylene	9.18	106	8322	0.324	ug/L	100
54) o-xylene	9.59	106	7999	0.331	ug/L	99
55) Styrene	9.60	104	11656	0.283	ug/L	96
56) Isopropylbenzene	9.97	105	19017	0.286	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.29	83	4563	0.409	ug/L #	91
61) Bromoform	9.78	173	2495	0.525	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	10224	0.407	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	10114	0.394	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	10479	0.455	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	778	0.503	ug/L #	84
67) 1,3,5-Trichlorobenzene	12.69	180	6863	0.378	ug/L	96
68) 1,2,4-trichlorobenzene	13.32	180	4317	0.332	ug/L	94
69) Naphthalene	13.55	128	4382	0.228	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.79	180	4088	0.342	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

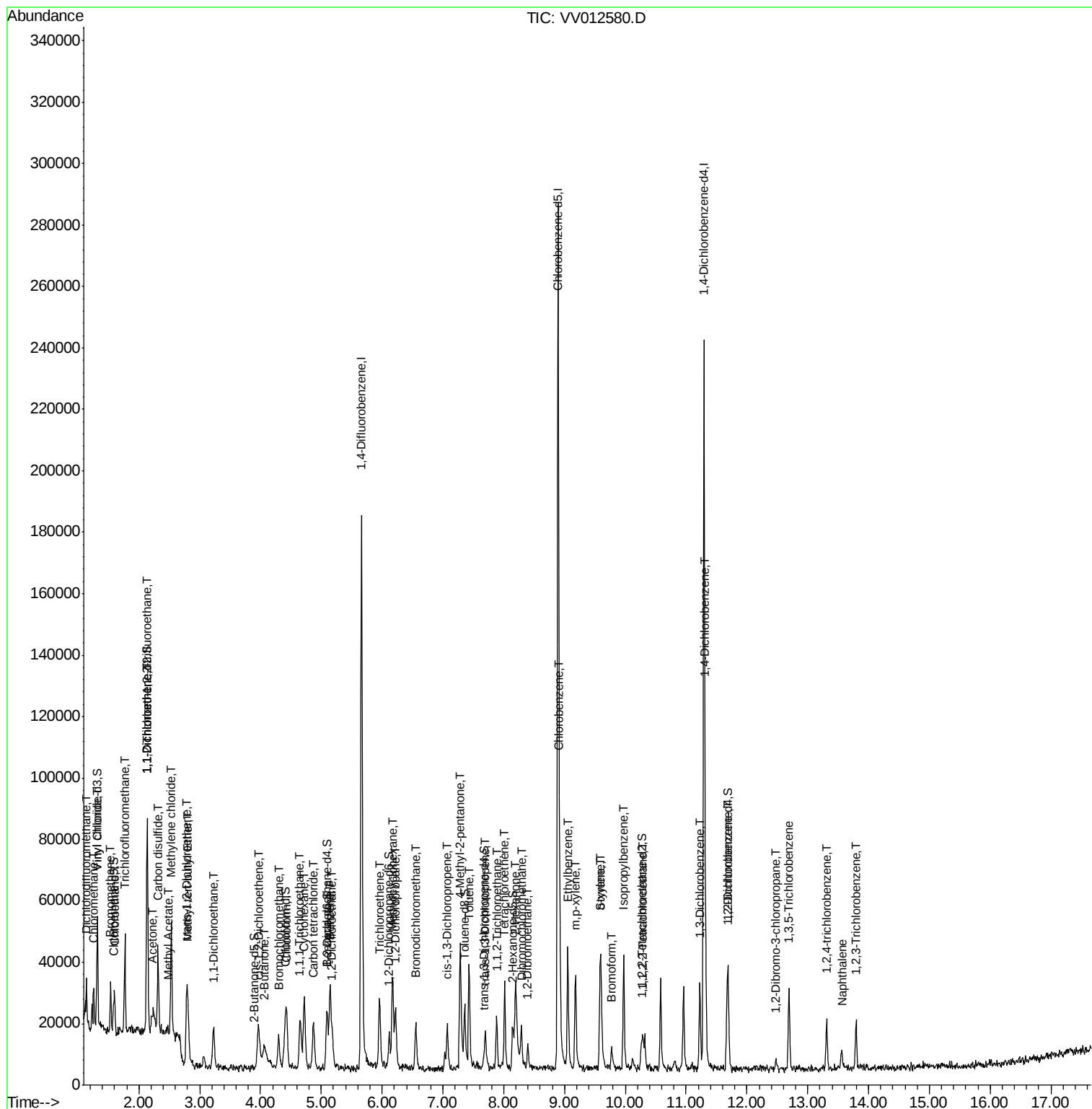
Quant Time: Sep 06 02:43:03 2019

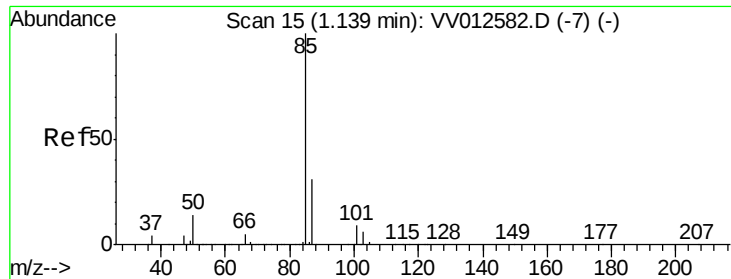
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\S0MVTR090519WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Sep 06 02:40:30 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.465 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

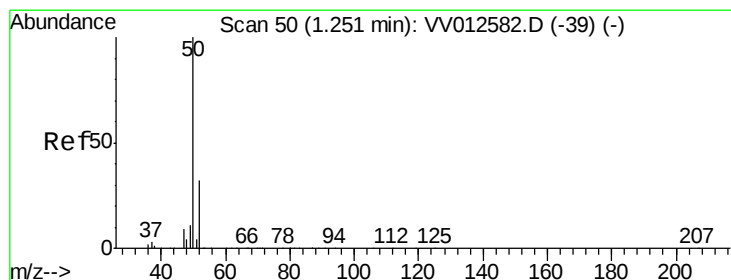
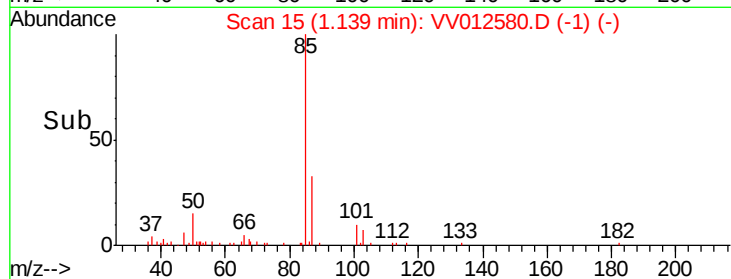
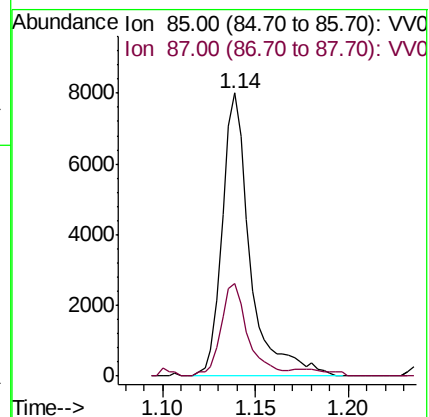
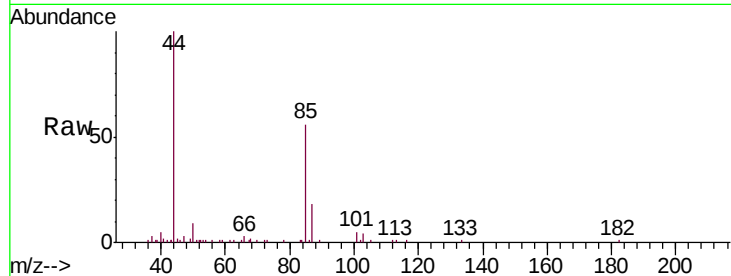
VSTD0.531

Tgt Ion: 85 Resp: 8417

Ion Ratio Lower Upper

85 100

87 31.7 25.2 37.8



#3

Chloromethane

Concen: 0.486 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012580.D

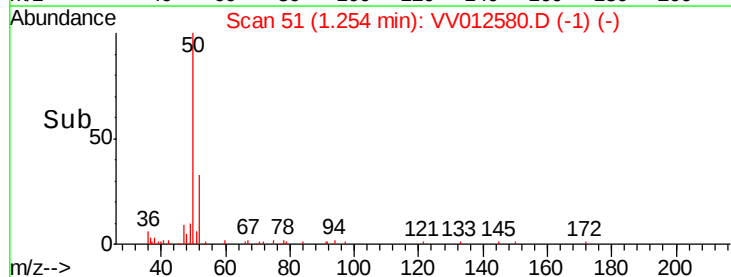
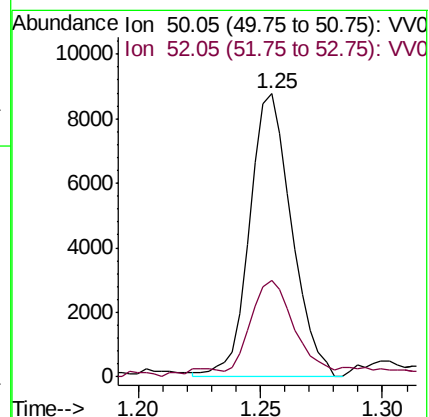
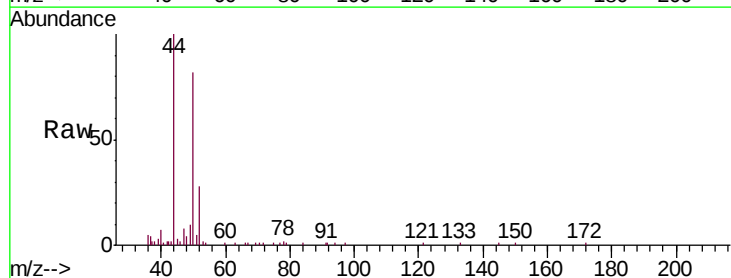
Acq: 05 Sep 2019 12:37

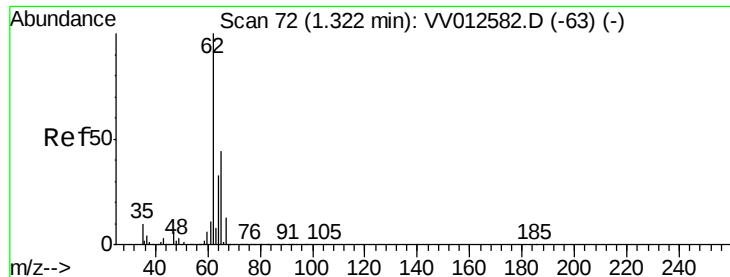
Tgt Ion: 50 Resp: 10458

Ion Ratio Lower Upper

50 100

52 34.2 22.8 42.4





#5

Vinyl chloride

Concen: 0.475 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

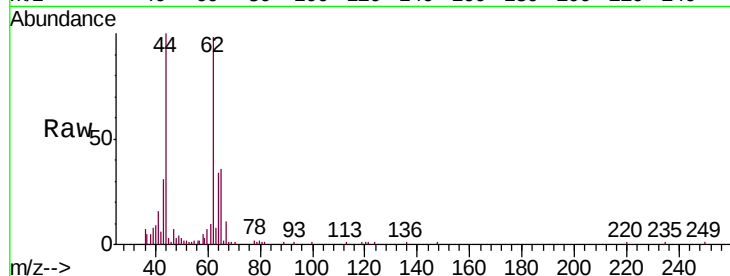
VSTD0.531

Tgt Ion: 62 Resp: 11043

Ion Ratio Lower Upper

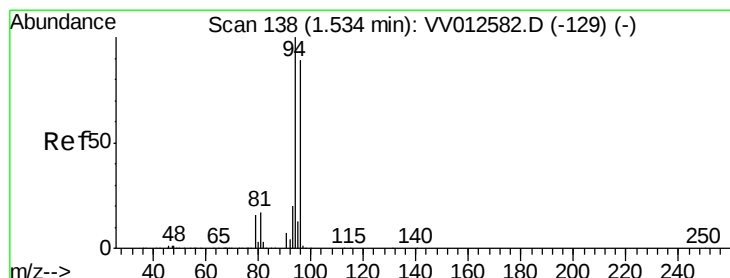
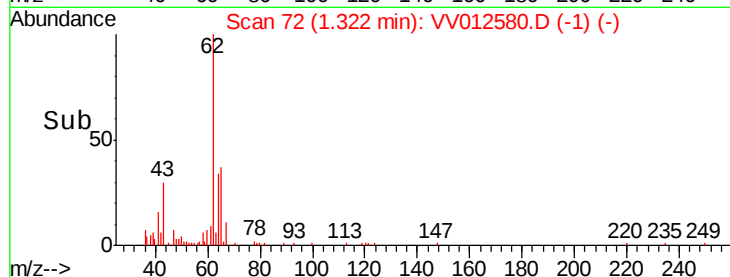
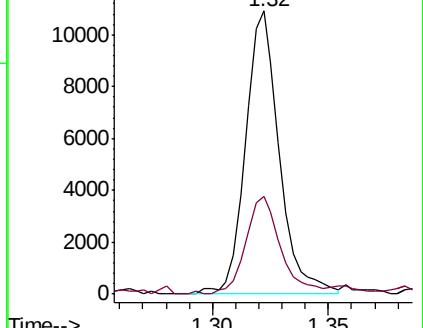
62 100

64 34.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV012580.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV012580.D (-63) (-)



#6

Bromomethane

Concen: 0.529 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012580.D

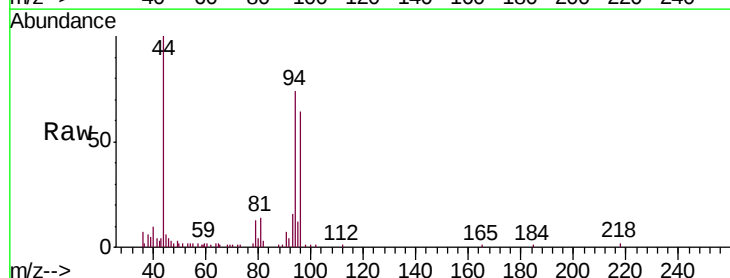
Acq: 05 Sep 2019 12:37

Tgt Ion: 94 Resp: 7340

Ion Ratio Lower Upper

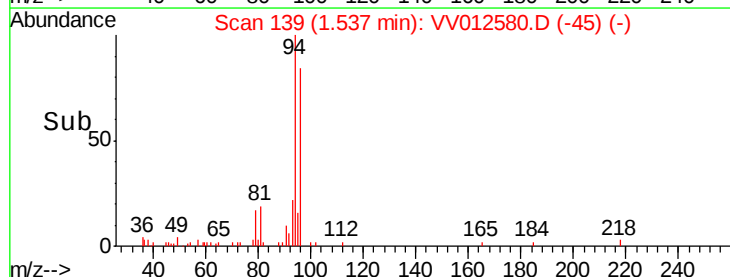
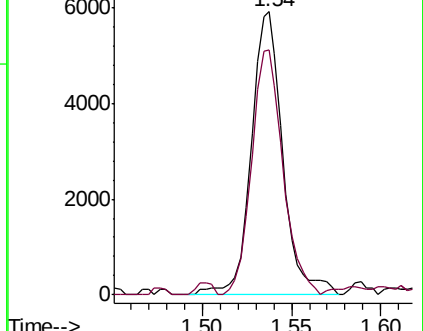
94 100

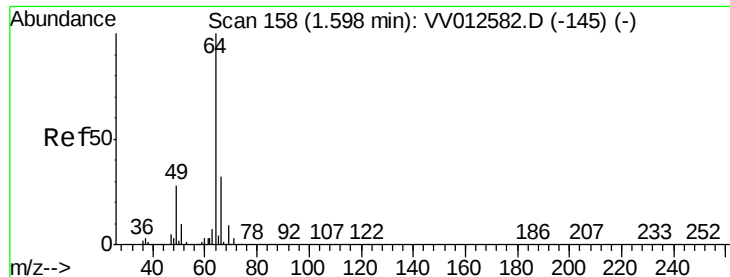
96 86.4 62.6 116.3



Abundance Ion 94.00 (93.70 to 94.70): VV012580.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV012580.D (-129) (-)





#8

Chloroethane

Concen: 0.487 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

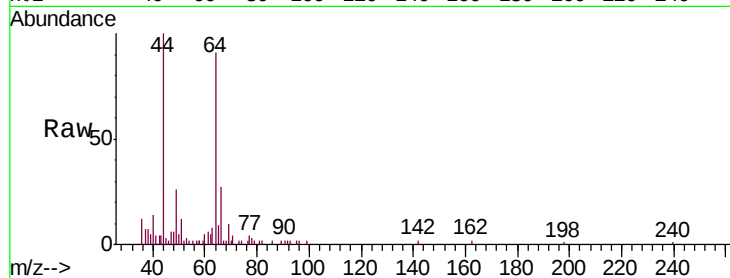
VSTD0.531

Tgt Ion: 64 Resp: 7783

Ion Ratio Lower Upper

64 100

66 29.3 22.2 41.2



Abundance Ion 64.10 (63.80 to 64.80): VV012582.D (-145) (-)

Ion 66.05 (65.75 to 66.75): VV012582.D (-145) (-)

1.60

6000

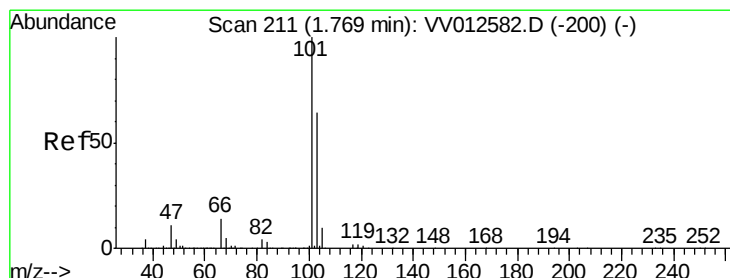
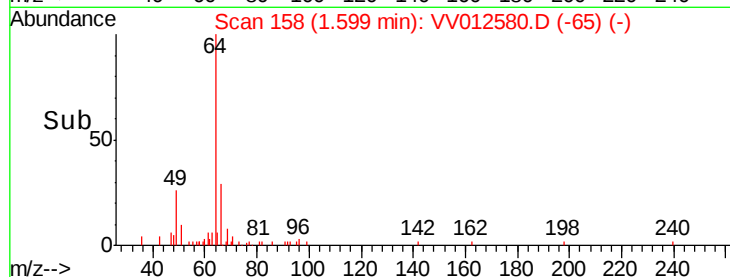
4000

2000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 0.498 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012580.D

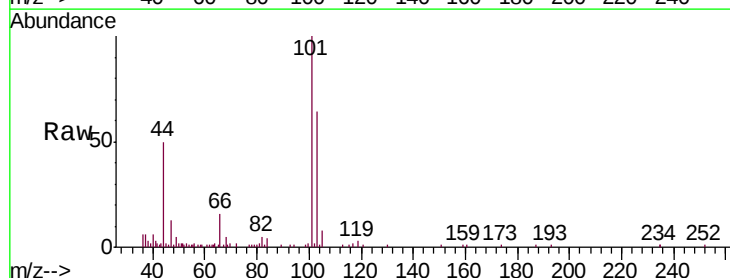
Acq: 05 Sep 2019 12:37

Tgt Ion: 101 Resp: 17743

Ion Ratio Lower Upper

101 100

103 65.2 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV012582.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012582.D (-200) (-)

1.77

15000

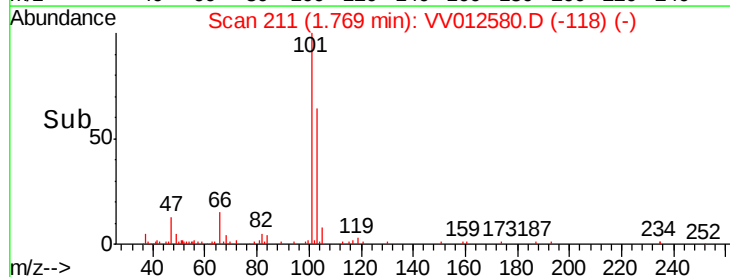
10000

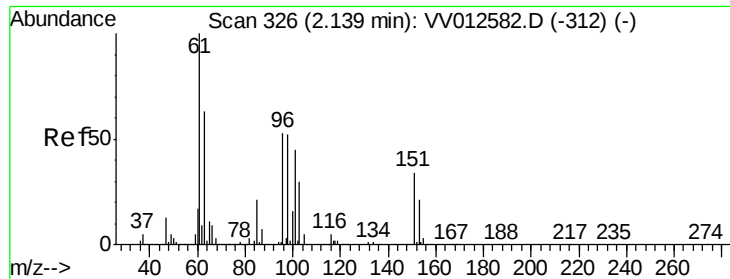
5000

0

1.70 1.75 1.80 1.85

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.460 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

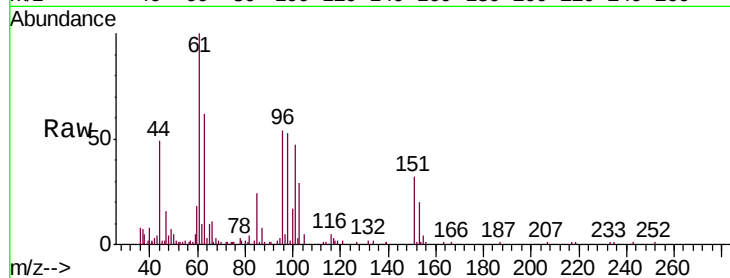
Tgt Ion: 101 Resp: 9185

Ion Ratio Lower Upper

101 100

85 50.2 37.4 56.0

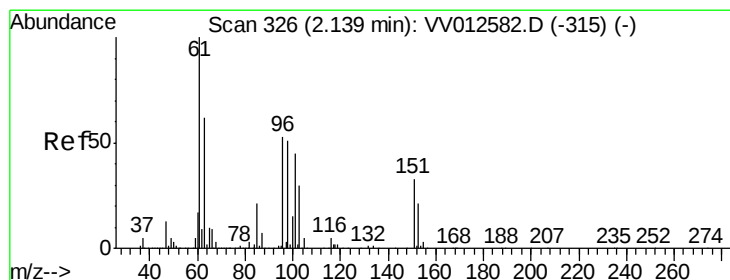
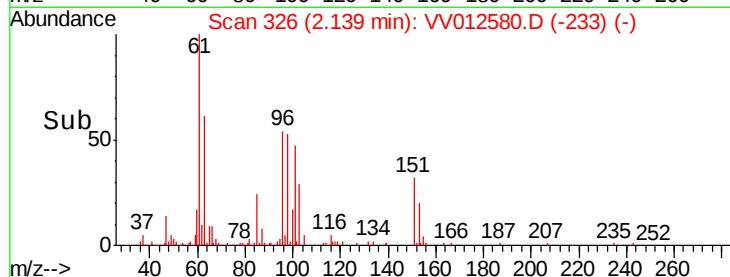
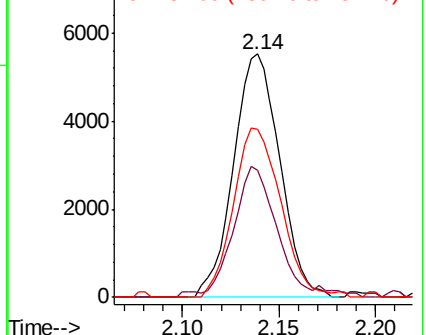
151 71.6 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.497 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

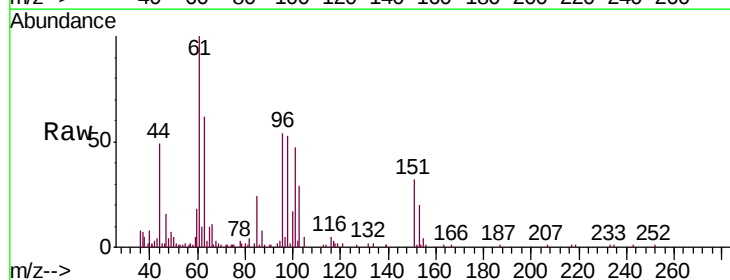
Tgt Ion: 96 Resp: 9170

Ion Ratio Lower Upper

96 100

61 184.4 132.7 246.5

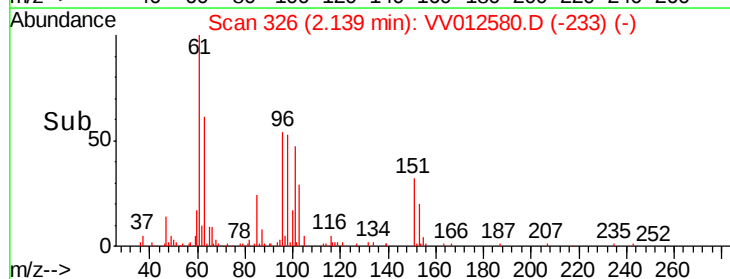
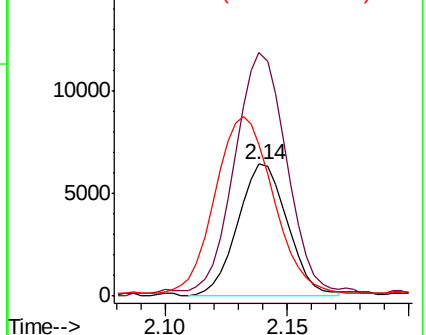
63 114.7 84.1 156.1

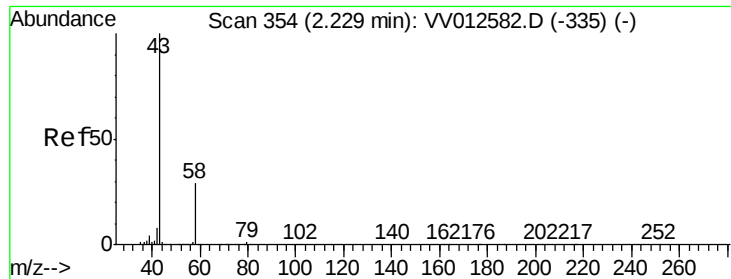


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.011 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

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ClientSampleId :

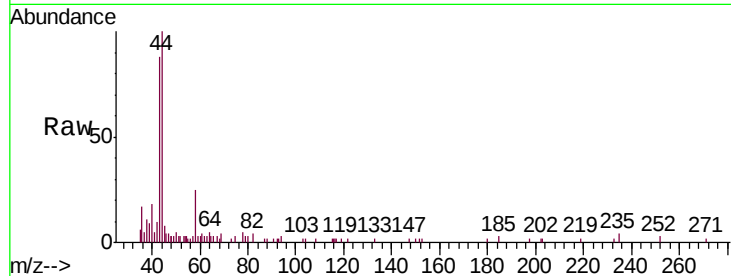
VSTD0.531

Tgt Ion: 43 Resp: 18460

Ion Ratio Lower Upper

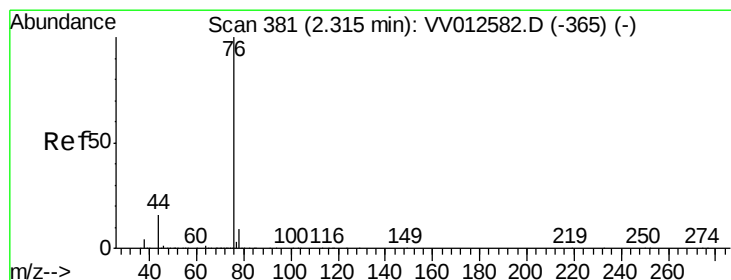
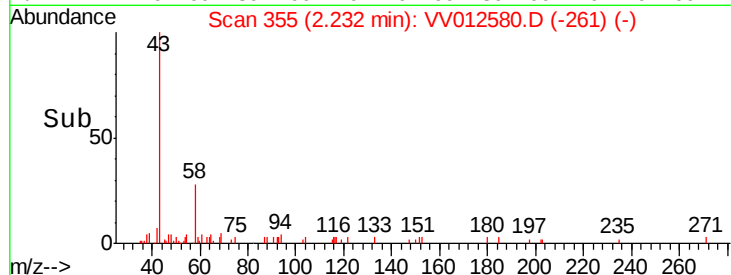
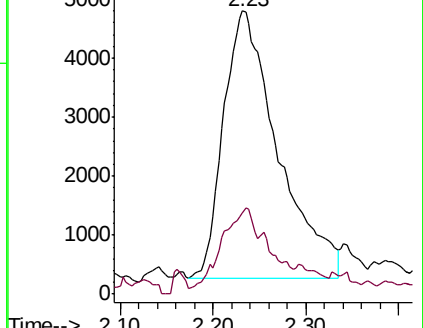
43 100

58 17.3 0.0 57.0



Abundance Ion 43.05 (42.75 to 43.75): VV012580.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV012580.D (-335) (-)



#14

Carbon disulfide

Concen: 0.488 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012580.D

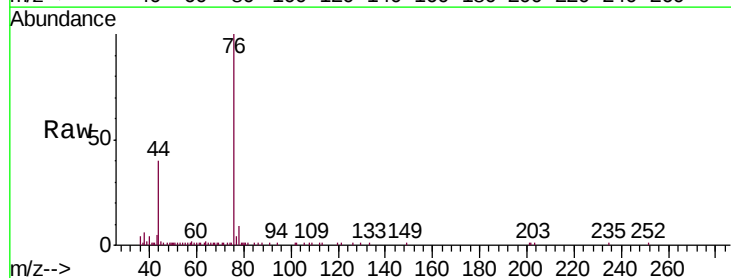
Acq: 05 Sep 2019 12:37

Tgt Ion: 76 Resp: 29042

Ion Ratio Lower Upper

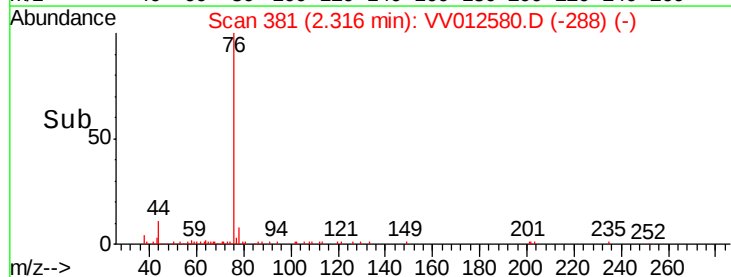
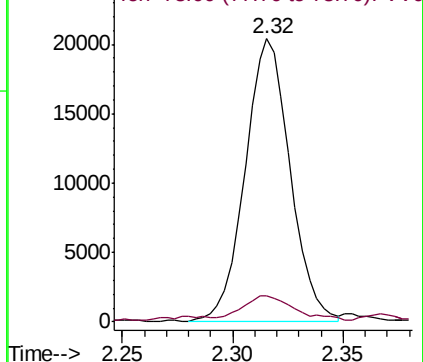
76 100

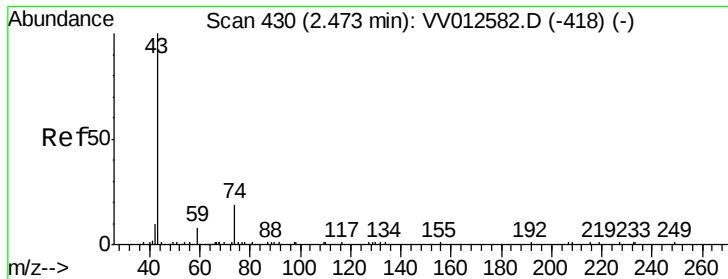
78 9.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV012580.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV012580.D (-365) (-)

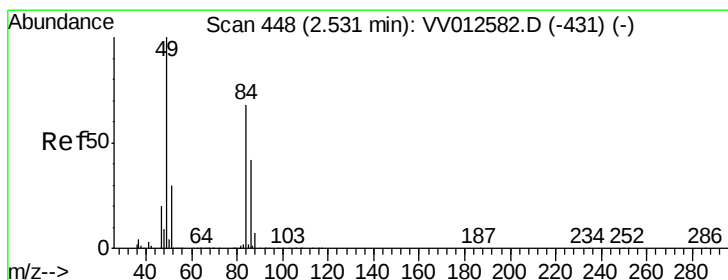
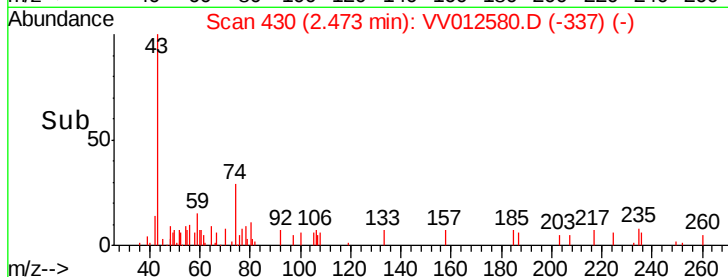
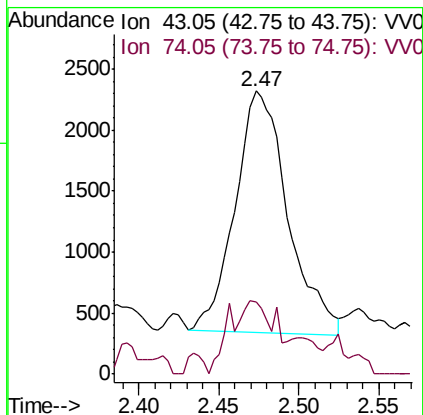
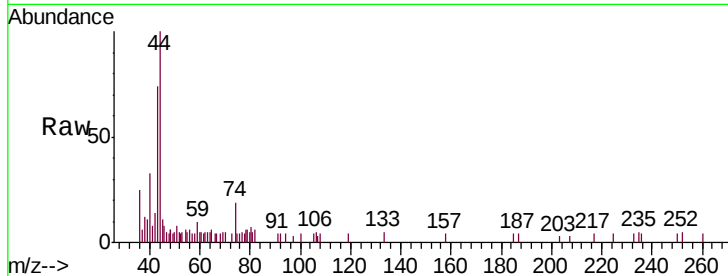




#15
Methyl Acetate
Concen: 0.494 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

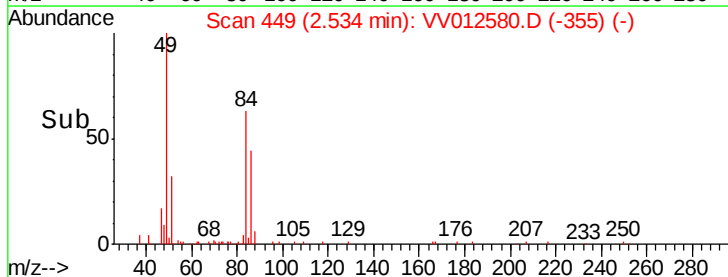
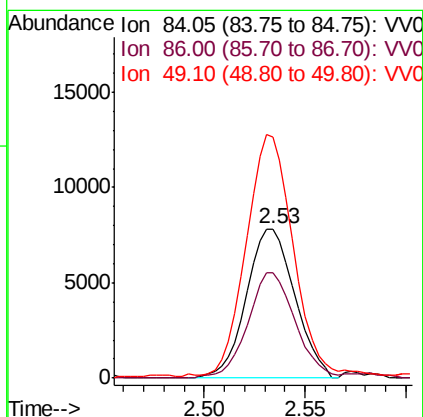
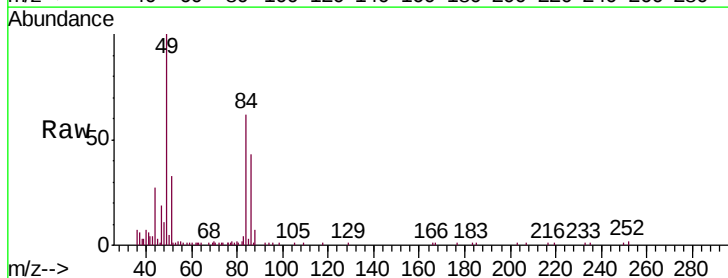
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

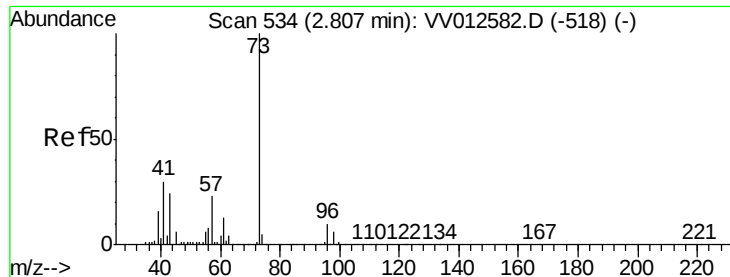
Tgt Ion: 43 Resp: 4479
Ion Ratio Lower Upper
43 100
74 15.3 14.9 22.3



#16
Methylene chloride
Concen: 0.623 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Tgt Ion: 84 Resp: 13158
Ion Ratio Lower Upper
84 100
86 70.2 43.6 81.0
49 161.4 103.0 191.2





#17

Methyl tert-butyl Ether

Concen: 0.483 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

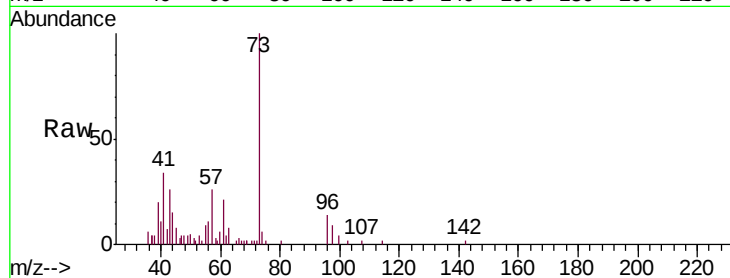
Tgt Ion: 73 Resp: 15052

Ion Ratio Lower Upper

73 100

43 32.7 18.9 28.3#

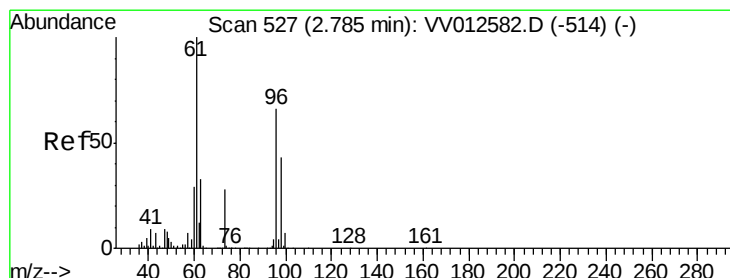
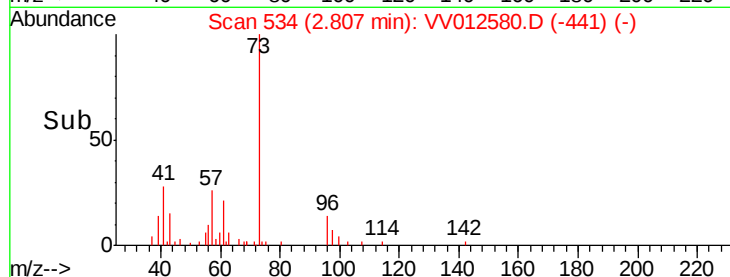
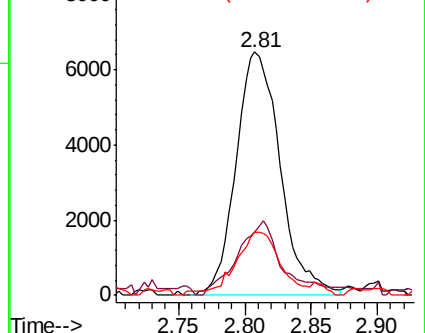
57 25.9 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.492 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

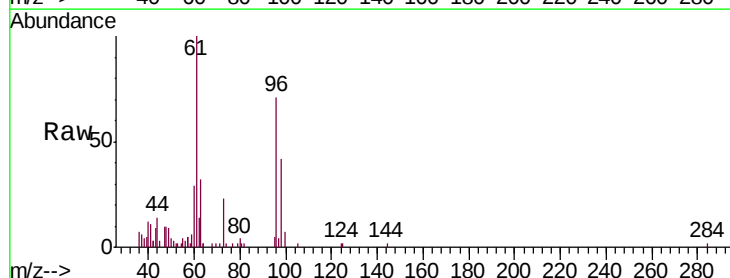
Tgt Ion: 96 Resp: 7270

Ion Ratio Lower Upper

96 100

61 140.7 105.6 196.0

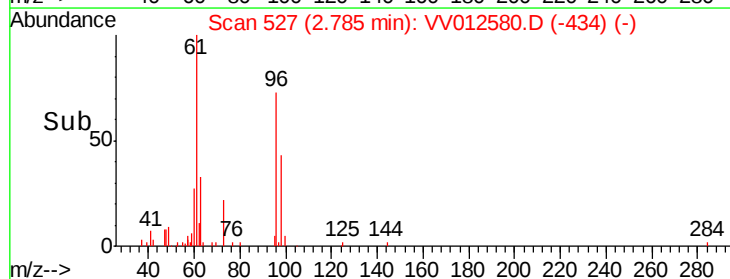
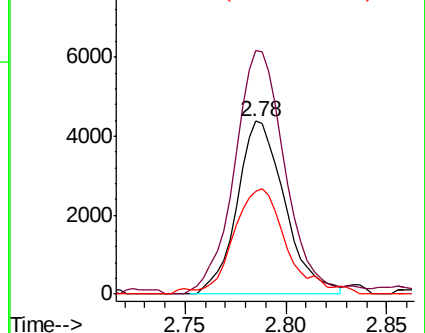
98 59.6 45.2 84.0

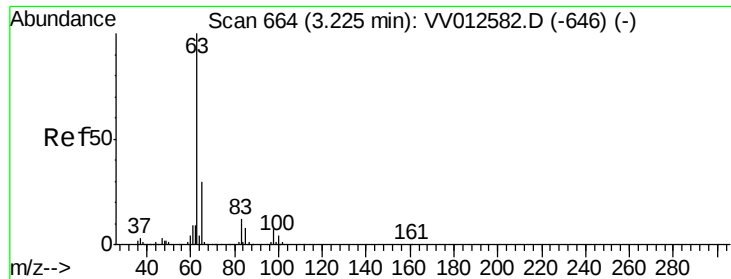


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

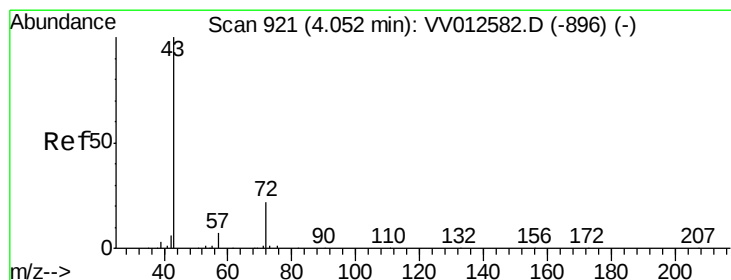
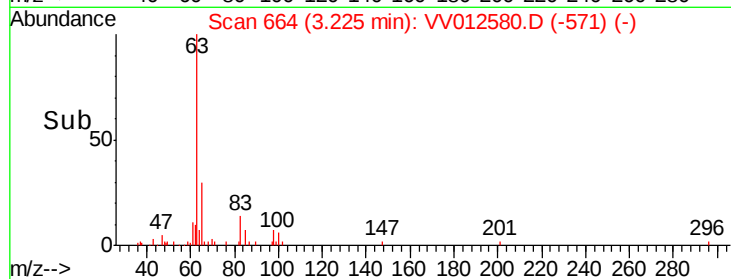
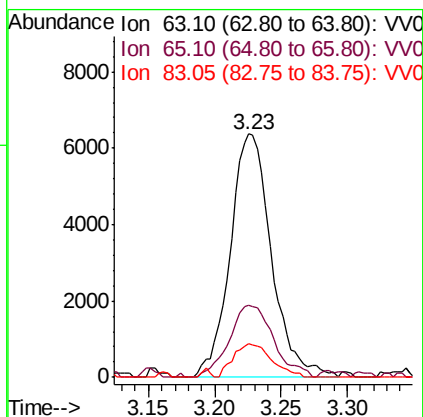
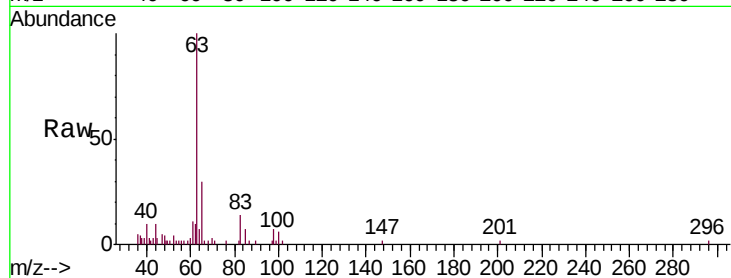




#19
 1,1-Dichloroethane
 Concen: 0.484 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

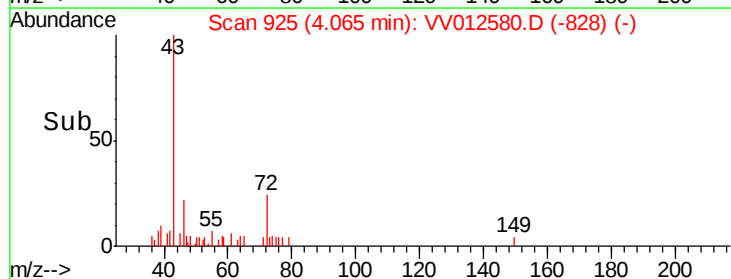
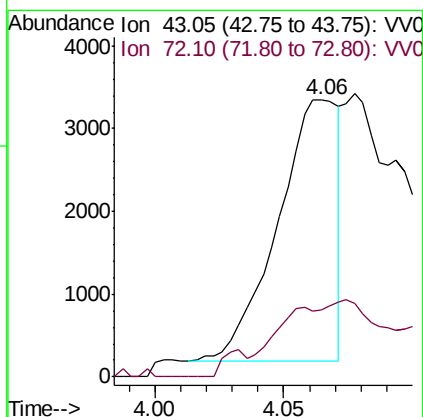
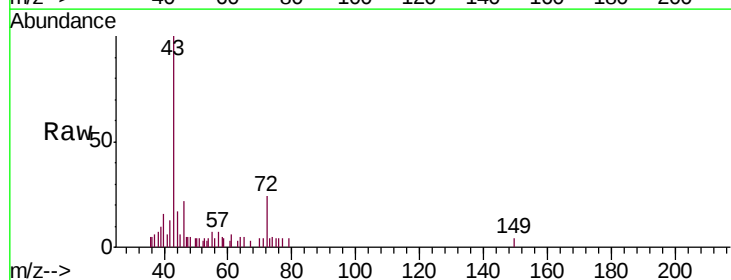
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

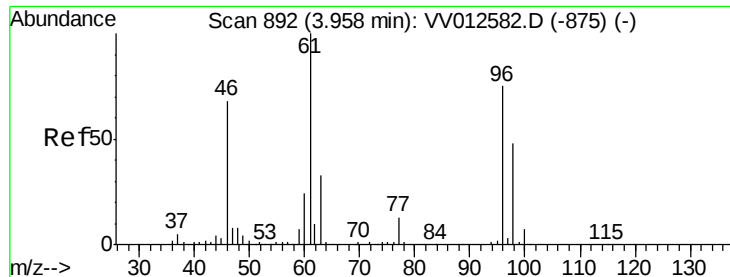
Tgt Ion: 63 Resp: 13763
 Ion Ratio Lower Upper
 63 100
 65 29.6 20.9 38.9
 83 13.7 8.8 16.3



#21
 2-Butanone
 Concen: 1.457 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion: 43 Resp: 5189
 Ion Ratio Lower Upper
 43 100
 72 12.9 10.5 31.6



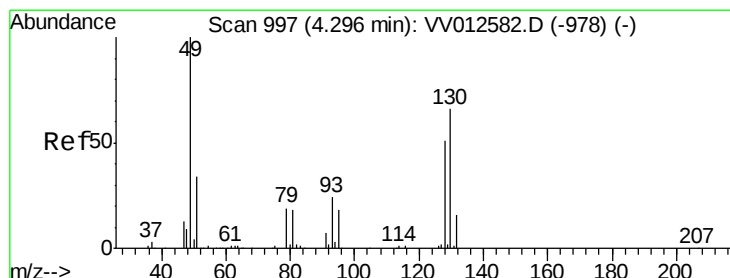
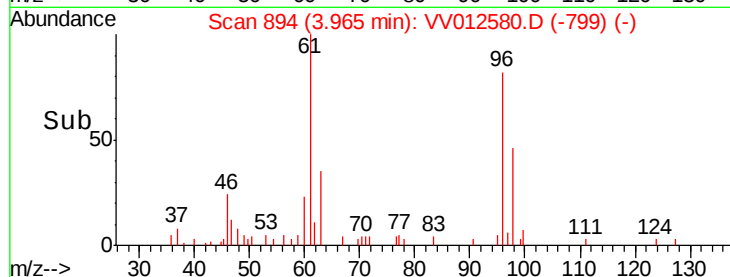
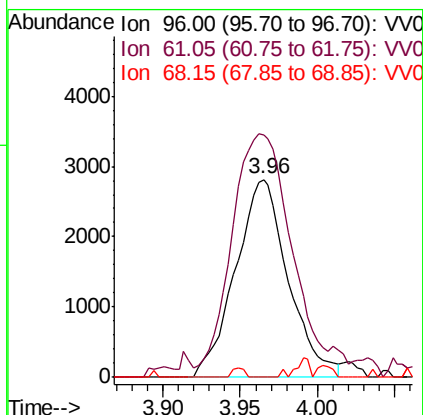
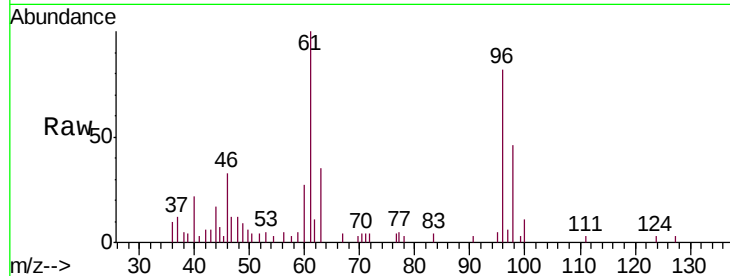


#22

cis-1,2-Dichloroethene
 Concen: 0.440 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

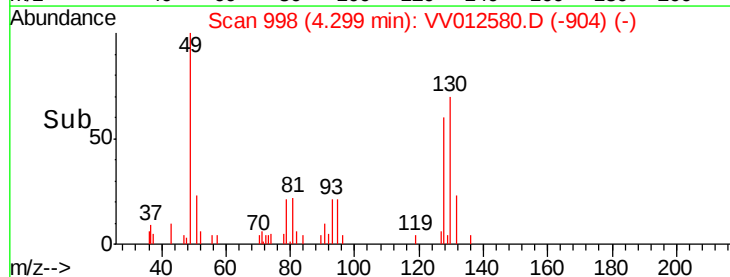
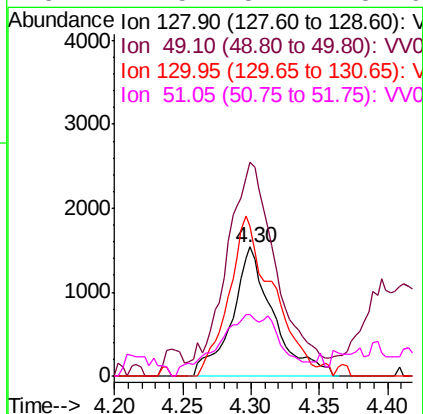
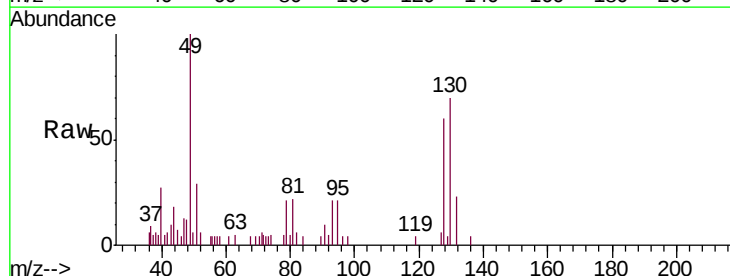
Tgt Ion: 96 Resp: 6671
 Ion Ratio Lower Upper
 96 100
 61 122.7 93.9 174.5
 68 0.0 0.0 0.0

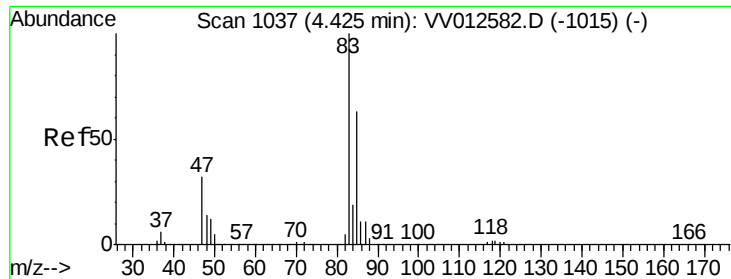


#23

Bromochloromethane
 Concen: 0.528 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion: 128 Resp: 3231
 Ion Ratio Lower Upper
 128 100
 49 175.4 137.1 254.7
 130 115.8 90.9 168.9
 51 47.5 54.4 81.6#

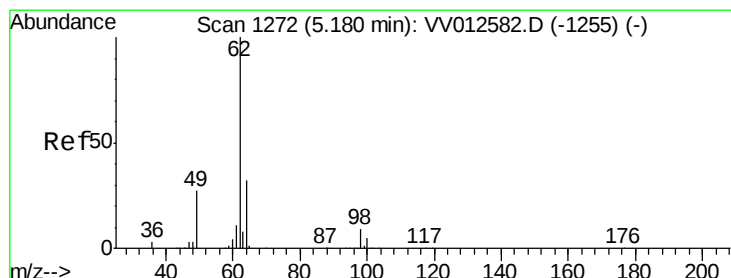
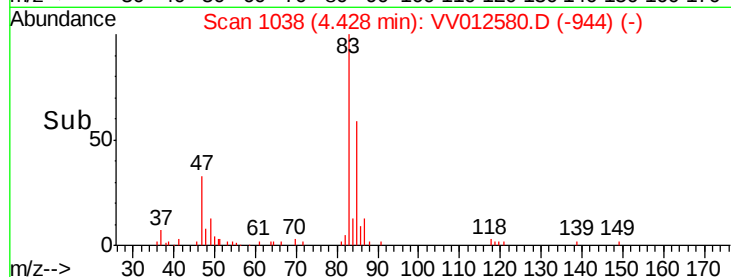
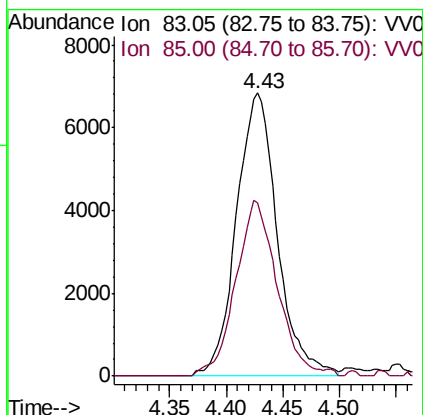
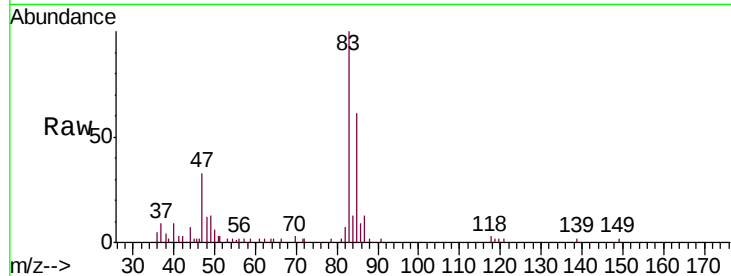




#25
Chloroform
Concen: 0.575 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

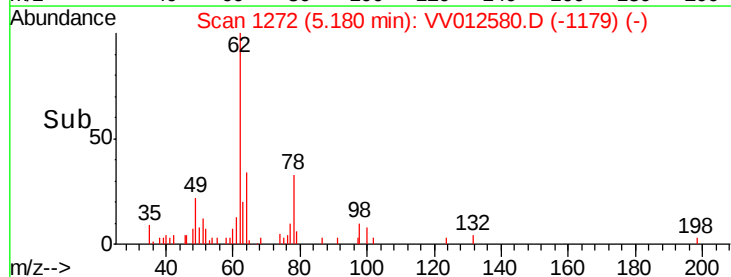
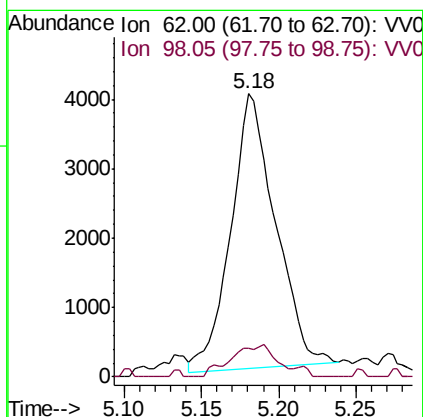
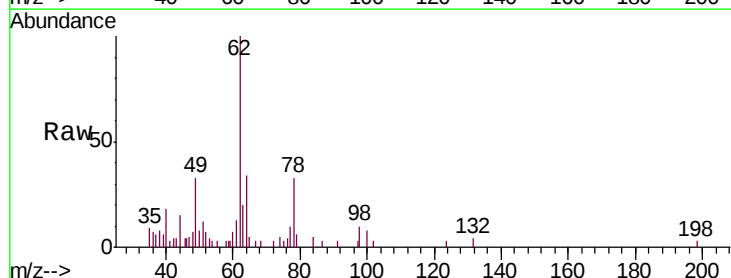
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

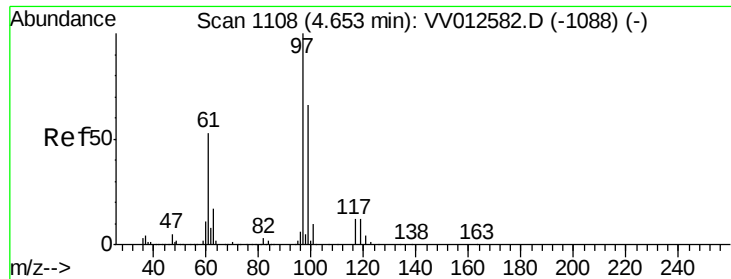
Tgt Ion: 83 Resp: 17216
Ion Ratio Lower Upper
83 100
85 61.1 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.456 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Tgt Ion: 62 Resp: 7943
Ion Ratio Lower Upper
62 100
98 10.0 7.0 10.4

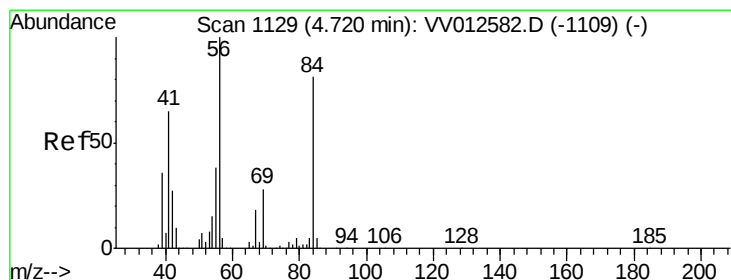
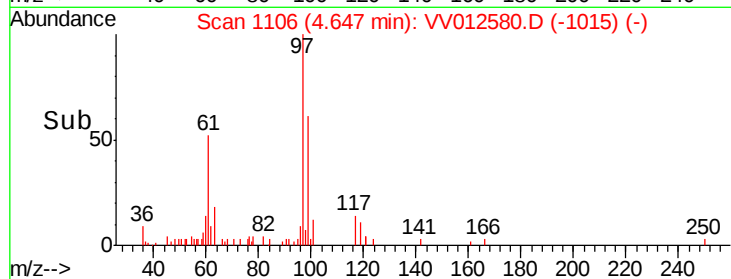
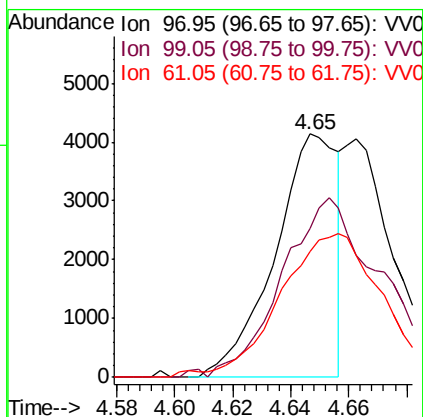
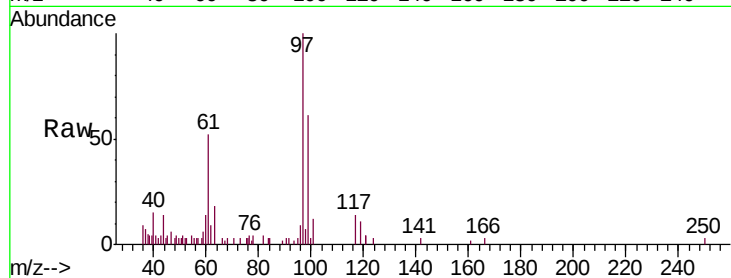




#29
 1,1,1-Trichloroethane
 Concen: 0.257 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

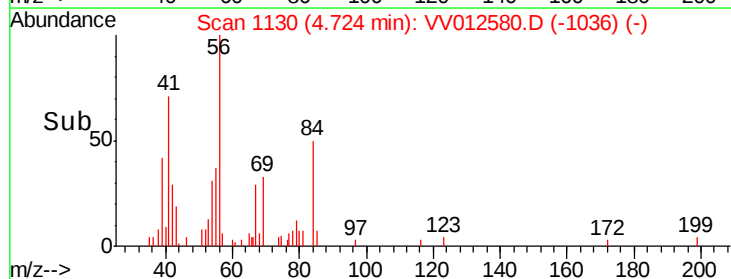
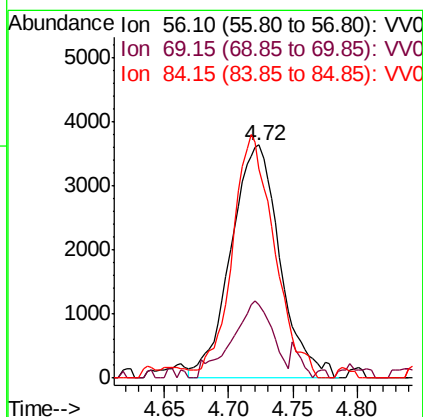
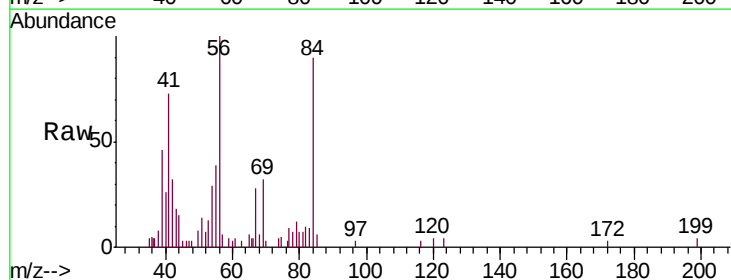
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

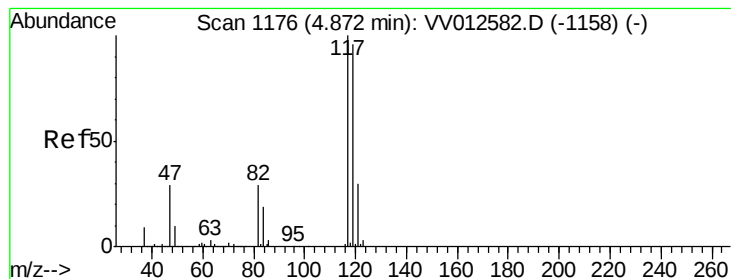
Tgt Ion: 97 Resp: 6209
 Ion Ratio Lower Upper
 97 100
 99 114.9 51.8 77.6#
 61 98.4 43.4 65.0#



#30
 Cyclohexane
 Concen: 0.386 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion: 56 Resp: 9603
 Ion Ratio Lower Upper
 56 100
 69 27.4 23.4 35.0
 84 89.8 68.0 102.0





#31

Carbon tetrachloride

Concen: 0.449 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

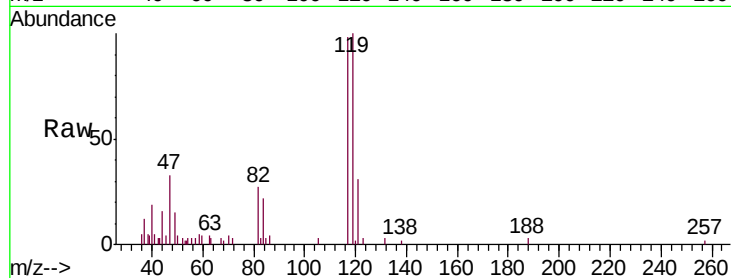
VSTD0.531

Tgt Ion:117 Resp: 9503

Ion Ratio Lower Upper

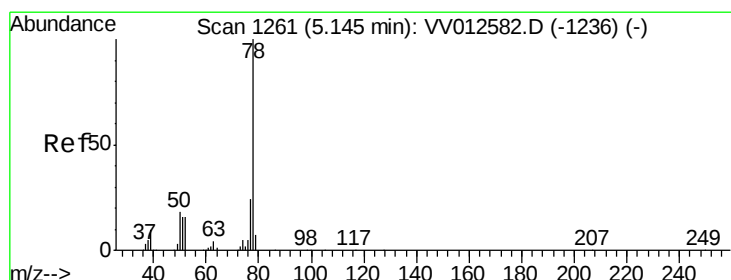
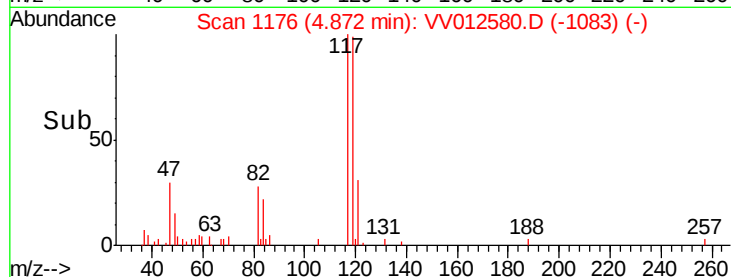
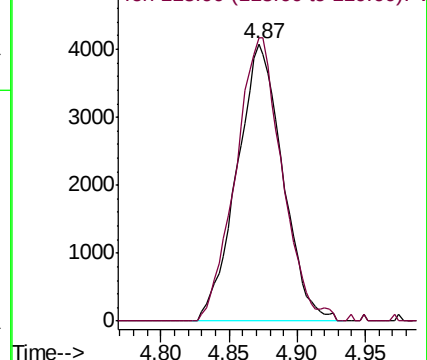
117 100

119 103.6 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.421 ug/L

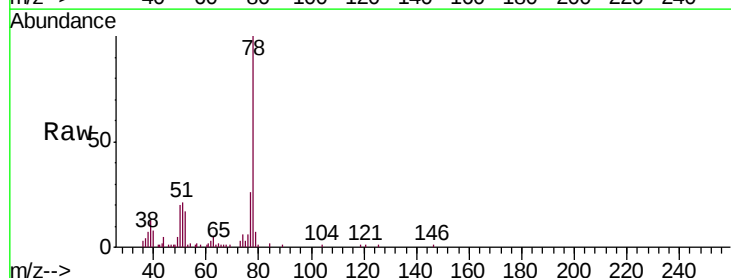
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

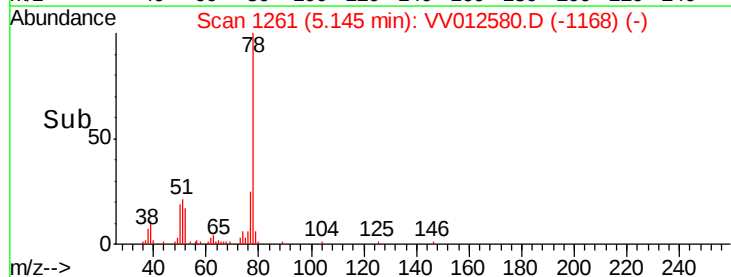
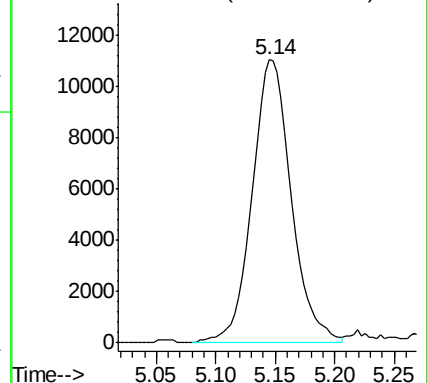
Lab File: VV012580.D

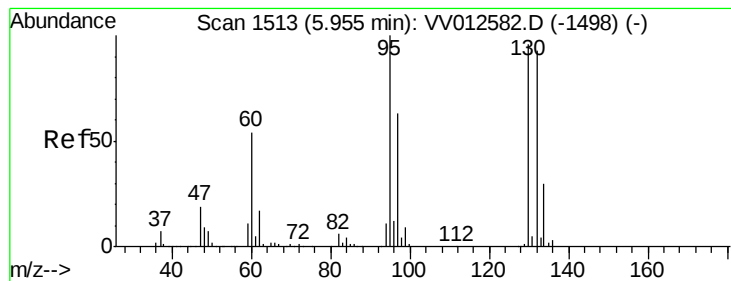
Acq: 05 Sep 2019 12:37

Tgt Ion: 78 Resp: 25185



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.445 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tgt Ion: 95 Resp: 7412

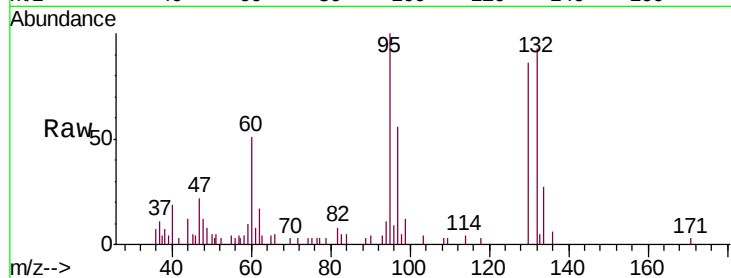
Ion Ratio Lower Upper

95 100

97 56.5 43.9 81.5

132 93.4 64.8 120.4

130 85.7 67.1 124.7

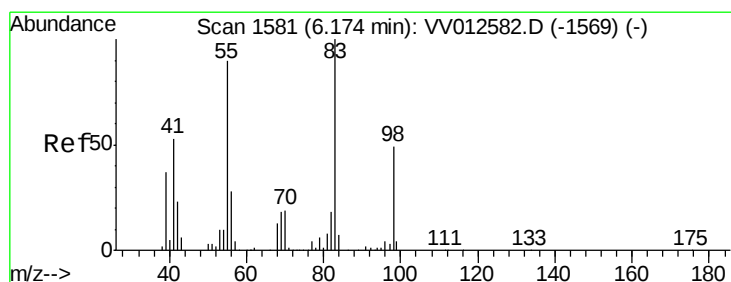
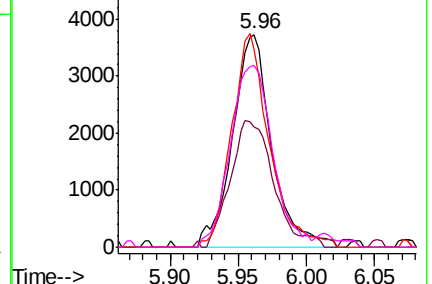
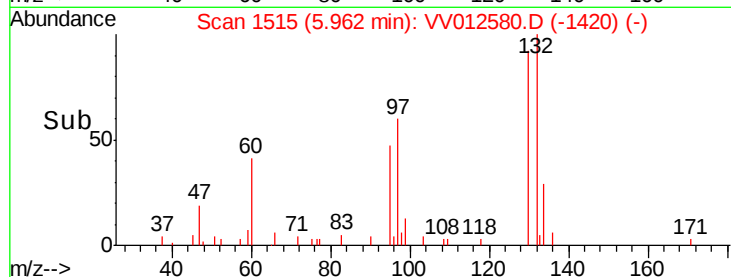


Abundance Ion 95.00 (94.70 to 95.70): VV012580.D (-1498) (-)

Ion 96.95 (96.65 to 97.65): VV012580.D (-1498) (-)

Ion 131.95 (131.65 to 132.65): VV012580.D (-1498) (-)

Ion 129.95 (129.65 to 130.65): VV012580.D (-1498) (-)



#35

Methylcyclohexane

Concen: 0.335 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

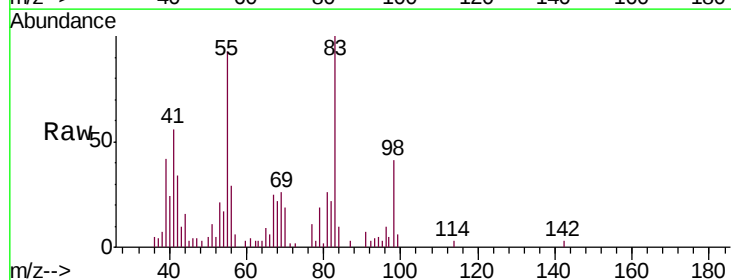
Tgt Ion: 83 Resp: 8450

Ion Ratio Lower Upper

83 100

55 101.3 69.0 103.6

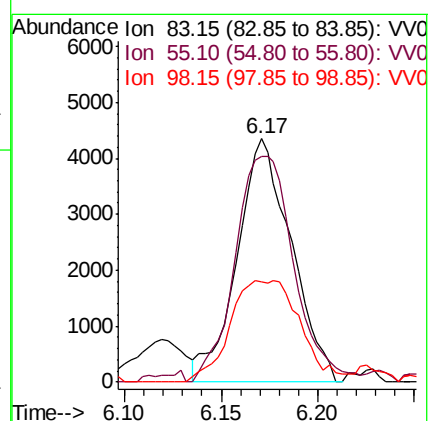
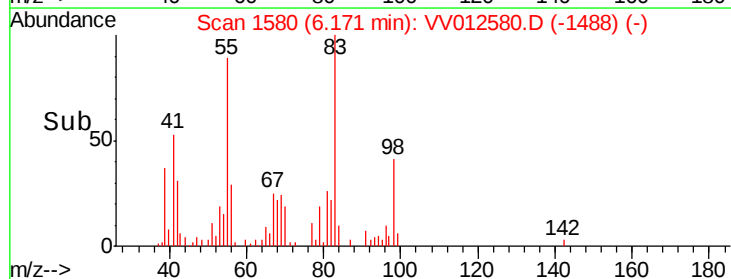
98 53.9 38.0 57.0

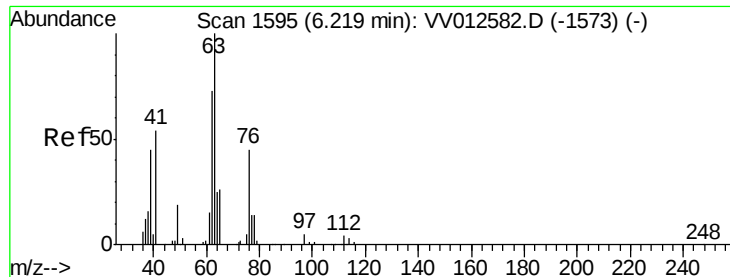


Abundance Ion 83.15 (82.85 to 83.85): VV012580.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV012580.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV012580.D (-1488) (-)

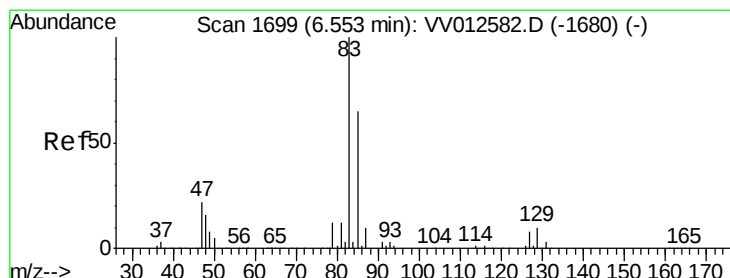
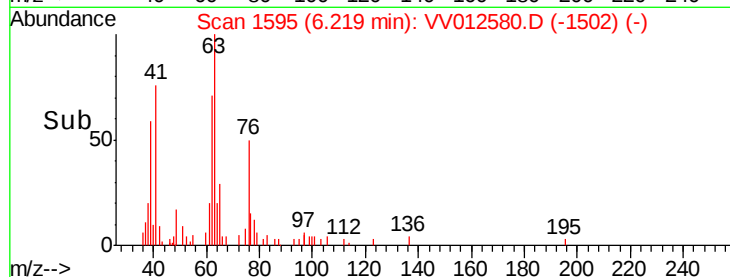
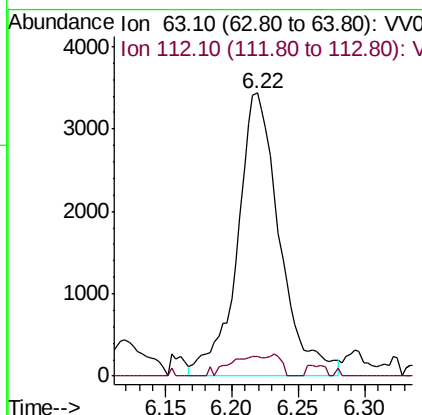
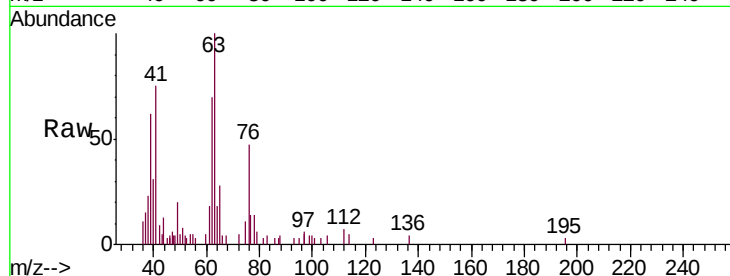




#37
 1,2-Dichloropropane
 Concen: 0.474 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

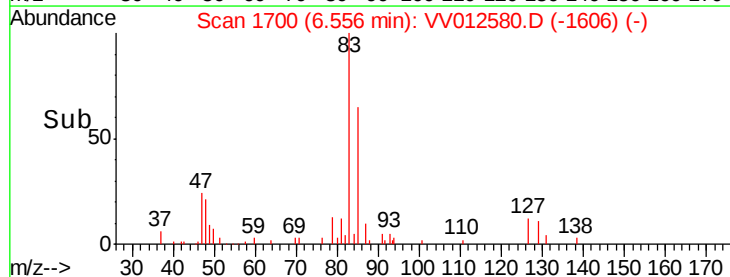
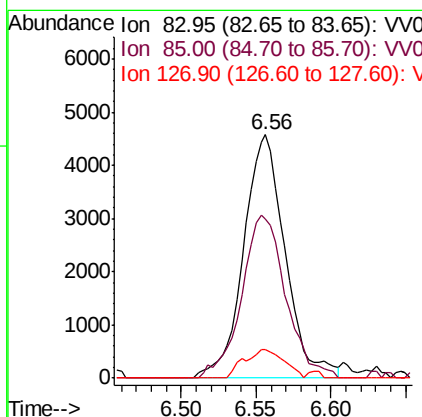
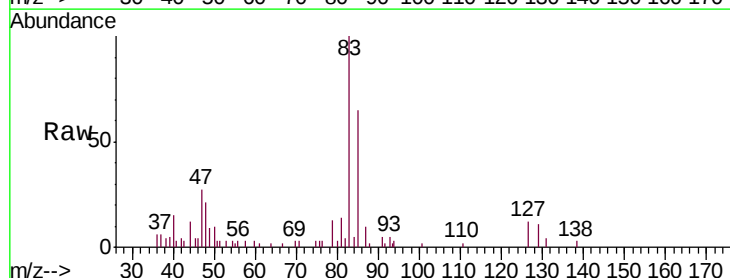
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

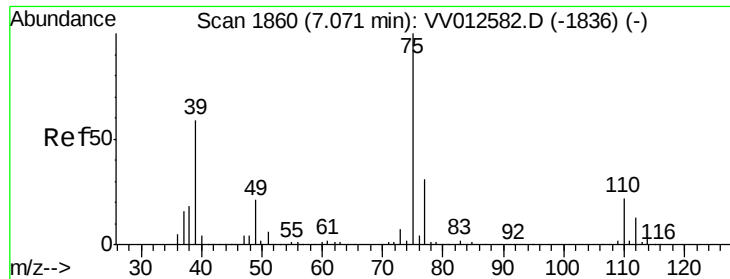
Tgt Ion: 63 Resp: 7639
 Ion Ratio Lower Upper
 63 100
 112 6.2 3.9 5.9#



#38
 Bromodichloromethane
 Concen: 0.438 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion: 83 Resp: 8859
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.6 84.8
 127 11.6 6.4 9.6#

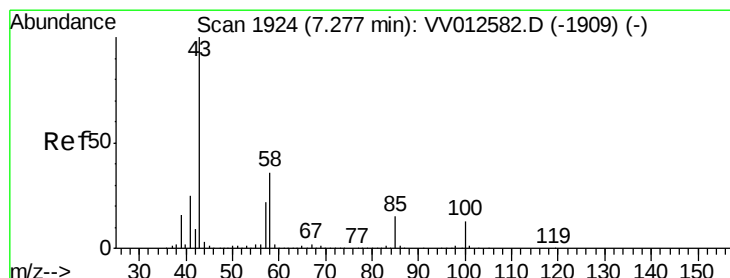
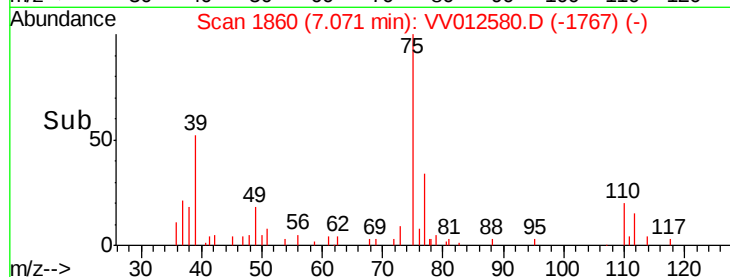
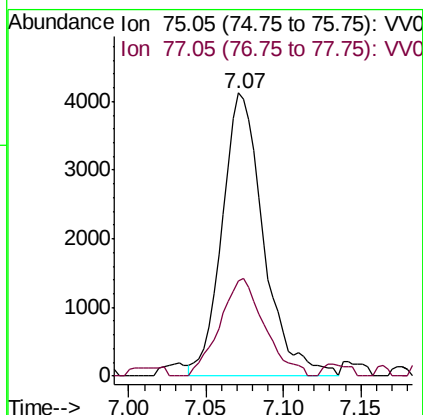
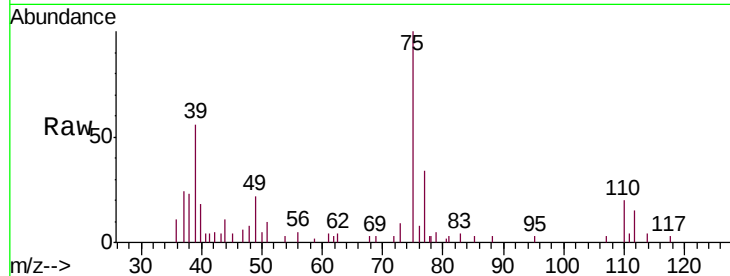




#39
 cis-1,3-Dichloropropene
 Concen: 0.372 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

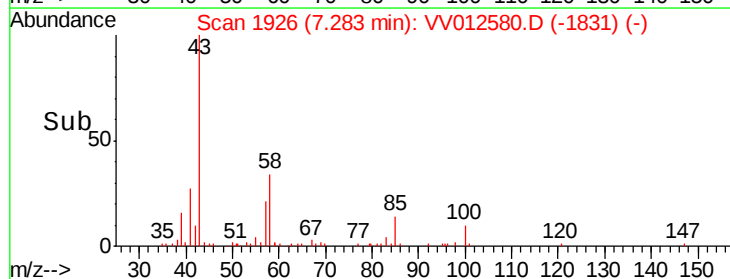
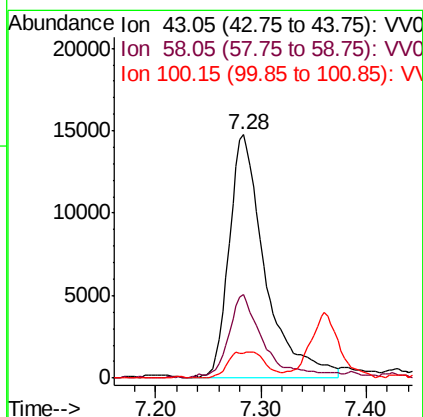
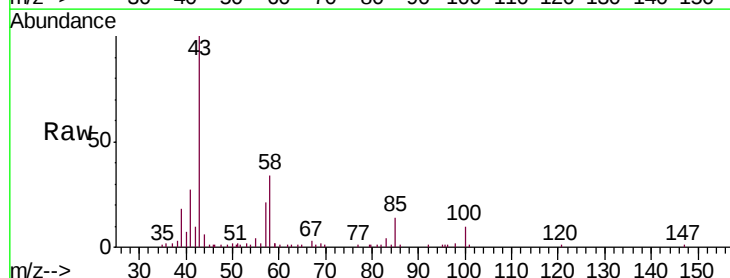
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

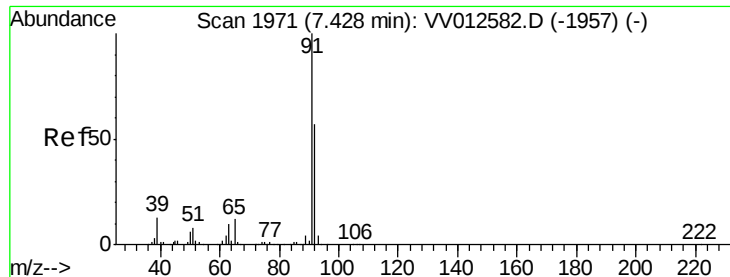
Tgt Ion: 75 Resp: 7654
 Ion Ratio Lower Upper
 75 100
 77 33.6 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 3.786 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion: 43 Resp: 34993
 Ion Ratio Lower Upper
 43 100
 58 30.7 28.4 42.6
 100 11.0 9.8 14.6





#42

Toluene

Concen: 0.349 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

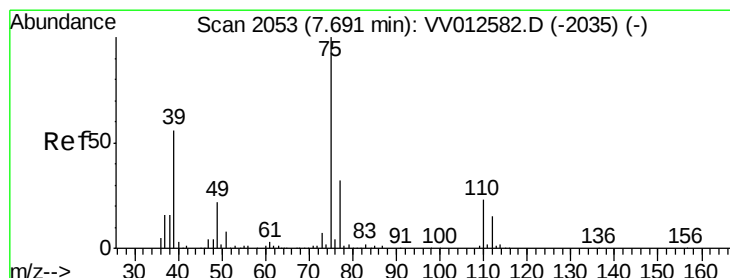
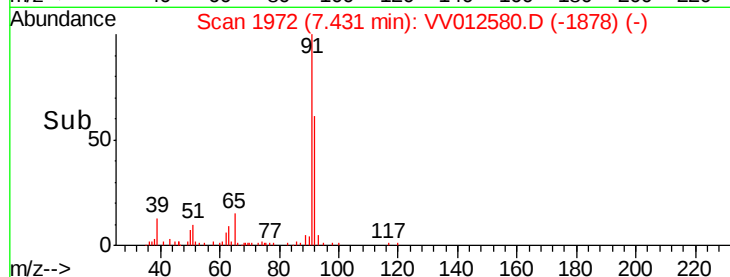
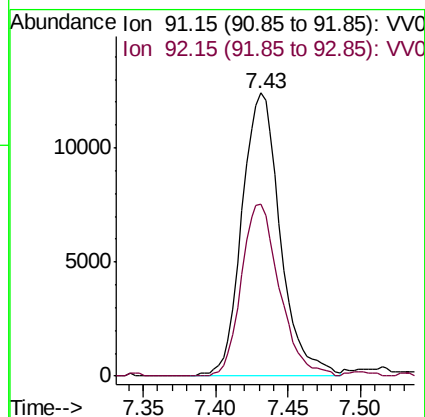
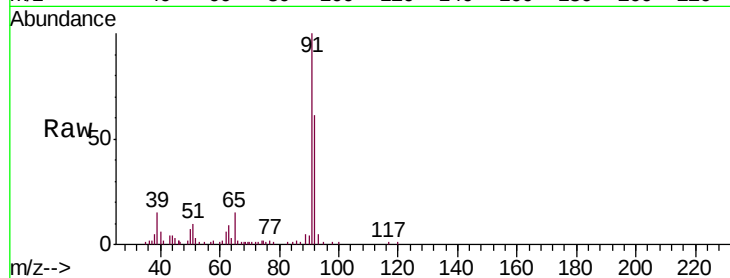
VSTD0.531

Tgt Ion: 91 Resp: 22820

Ion Ratio Lower Upper

91 100

92 60.6 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 0.395 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV012580.D

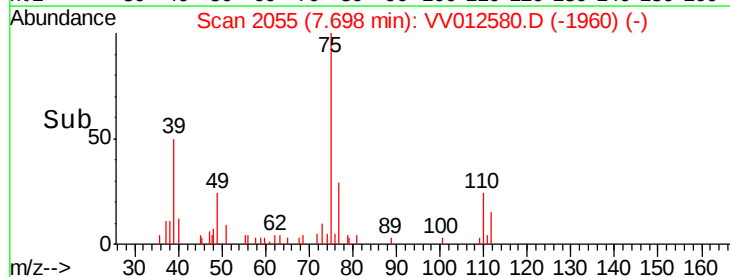
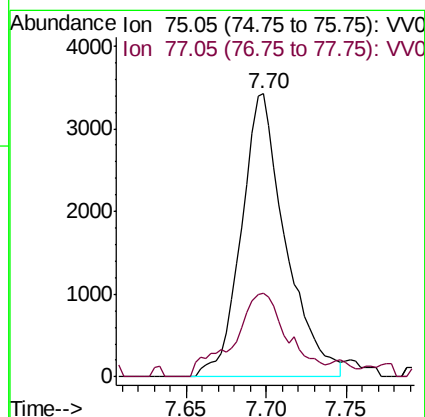
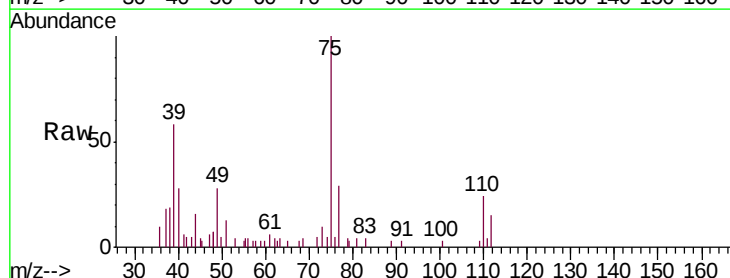
Acq: 05 Sep 2019 12:37

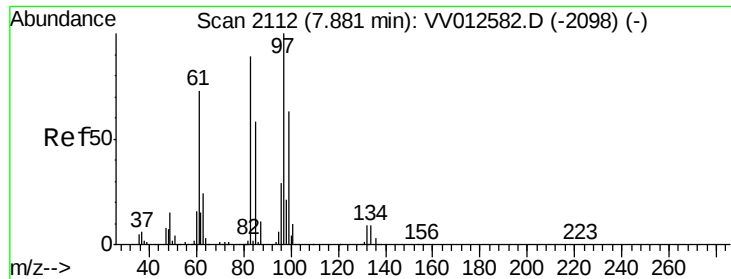
Tgt Ion: 75 Resp: 6464

Ion Ratio Lower Upper

75 100

77 29.5 22.5 41.7

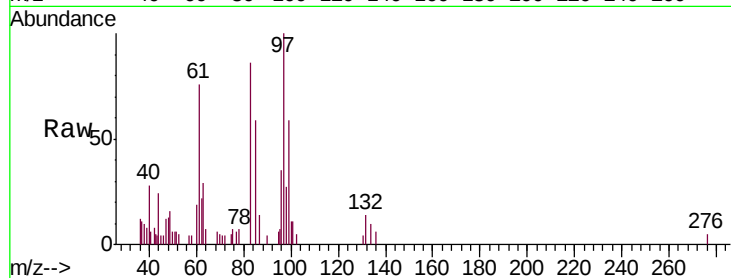




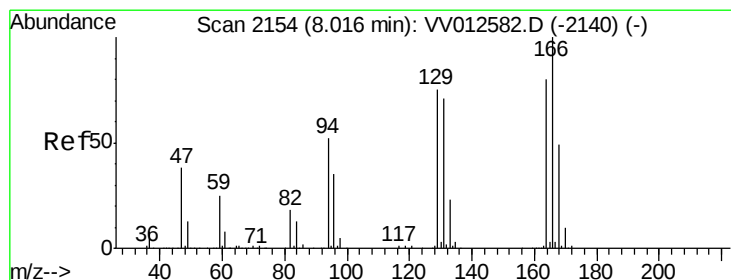
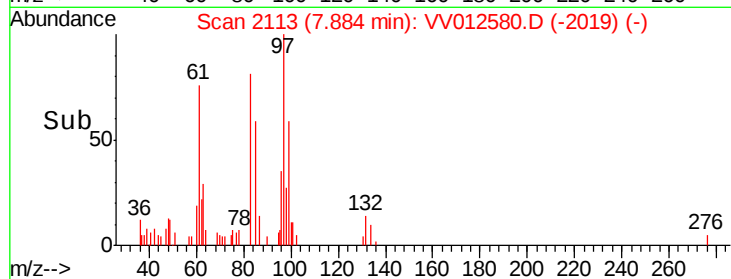
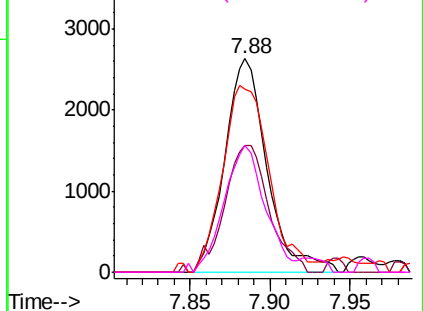
#45
 1,1,2-Trichloroethane
 Concen: 0.470 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tgt Ion: 97 Resp: 4741
 Ion Ratio Lower Upper
 97 100
 99 59.3 44.3 82.3
 83 85.8 62.6 116.3
 85 59.1 40.7 75.5

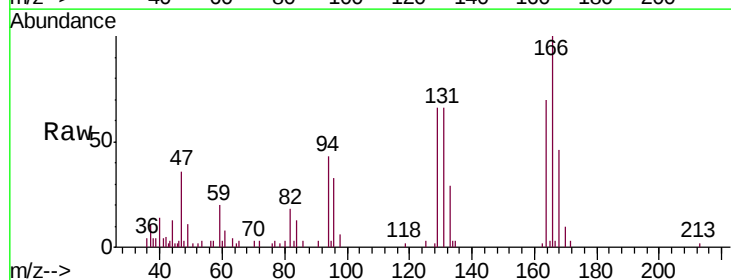


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

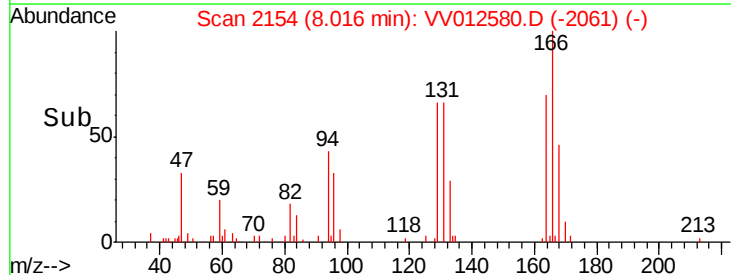
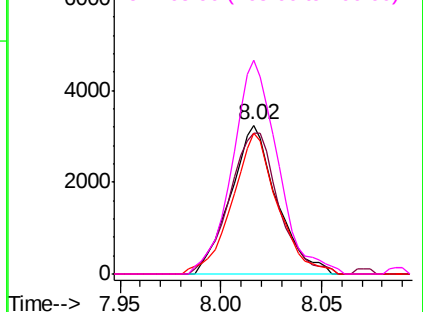


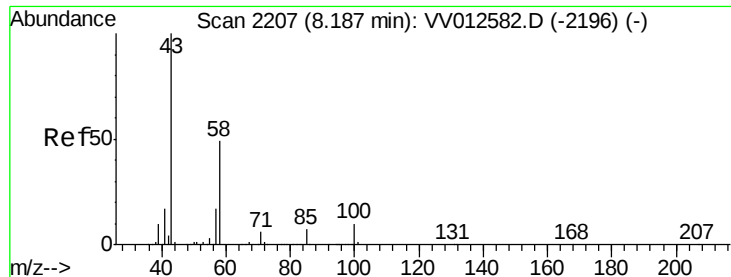
#47
 Tetrachloroethene
 Concen: 0.436 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion: 164 Resp: 5214
 Ion Ratio Lower Upper
 164 100
 129 94.9 65.0 120.6
 131 94.2 62.0 115.2
 166 143.4 87.0 161.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

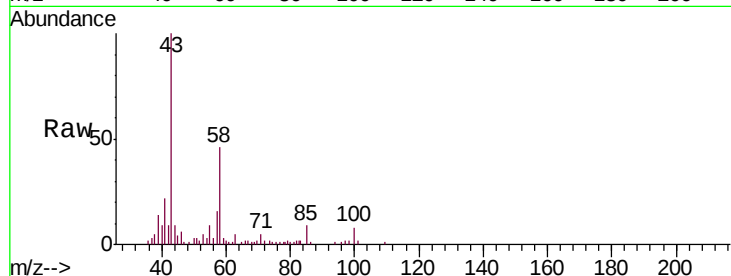




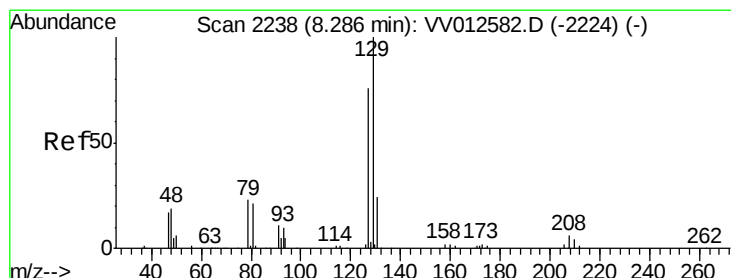
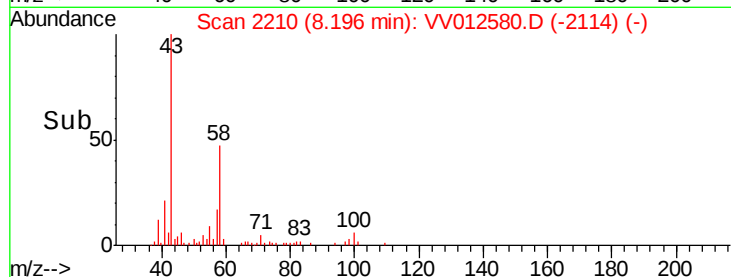
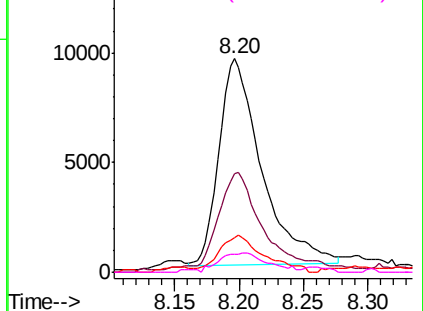
#48
2-Hexanone
Concen: 3.345 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tgt Ion:	43	Resp:	21776
Ion	Ratio	Lower	Upper
43	100		
58	51.0	39.3	58.9
57	18.6	12.9	19.3
100	10.5	8.0	12.0

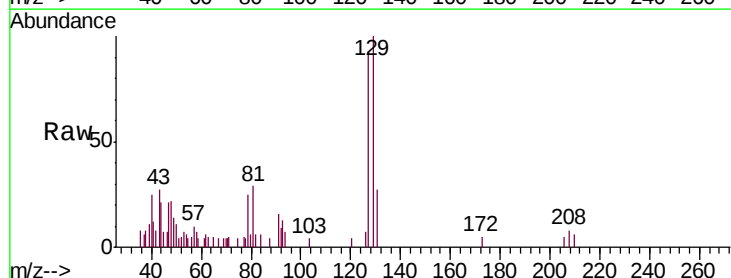


Abundance Ion 43.05 (42.75 to 43.75): VV012580.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV012580.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV012580.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV012580.D (-2196) (-)

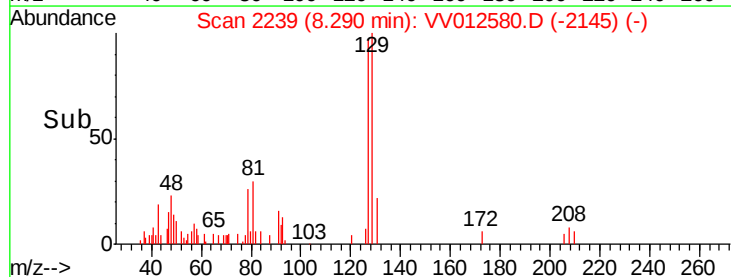
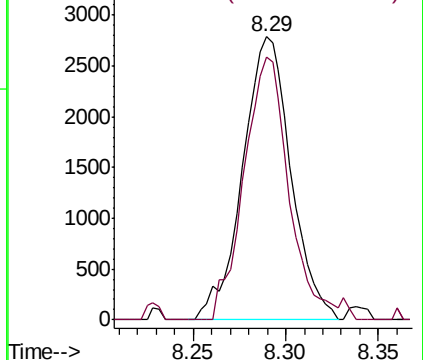


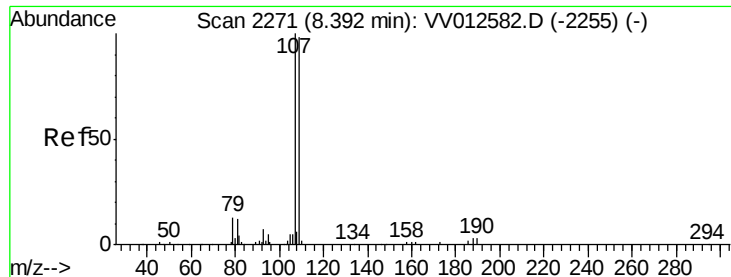
#49
Dibromochloromethane
Concen: 0.426 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Tgt Ion:	129	Resp:	5051
Ion	Ratio	Lower	Upper
129	100		
127	92.8	53.0	98.4



Abundance Ion 128.95 (128.65 to 129.65): VV012580.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV012580.D (-2145) (-)

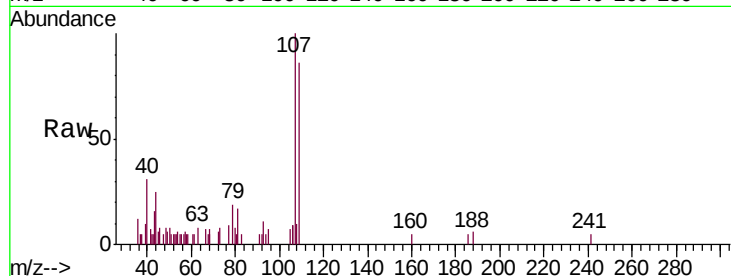




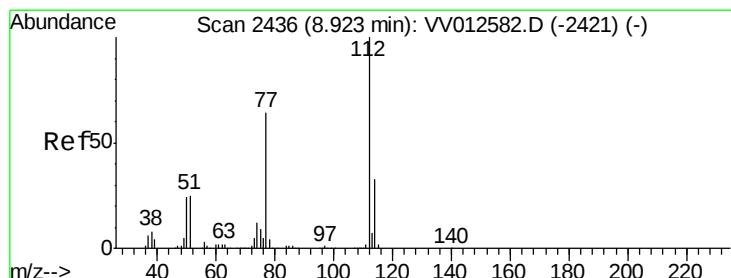
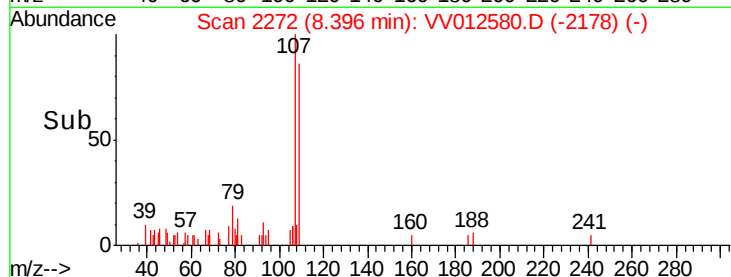
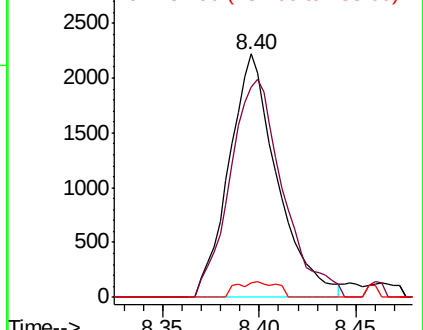
#50
 1,2-Dibromoethane
 Concen: 0.426 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tgt Ion:107 Resp: 3839
 Ion Ratio Lower Upper
 107 100
 109 86.4 68.5 127.3
 188 5.9 2.6 3.8#

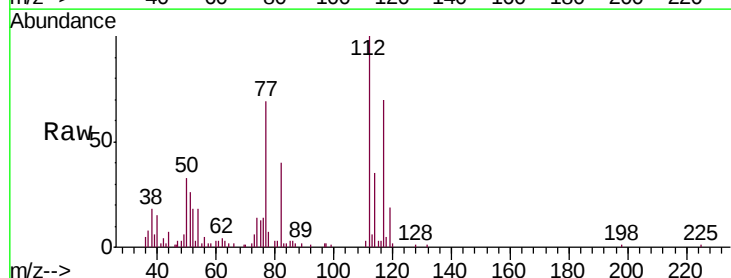


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

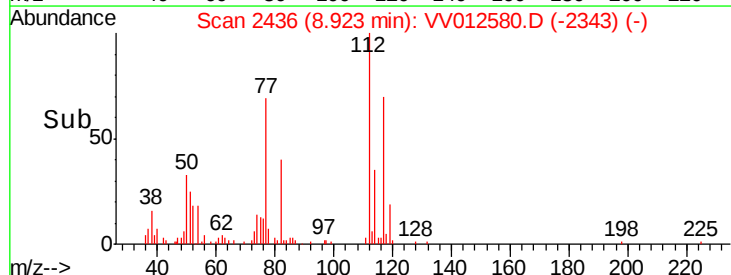
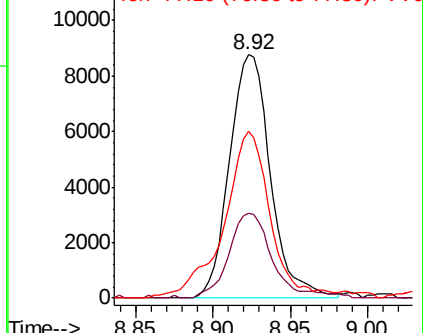


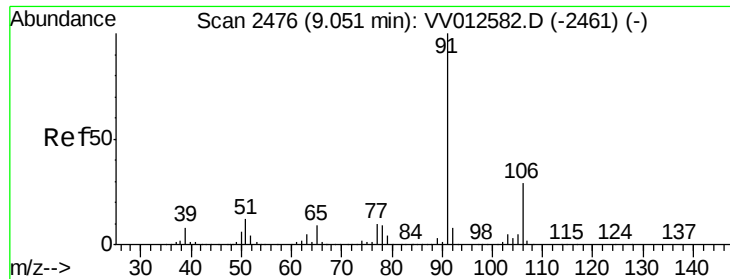
#51
 Chlorobenzene
 Concen: 0.396 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion:112 Resp: 16130
 Ion Ratio Lower Upper
 112 100
 114 35.0 22.7 42.3
 77 68.6 51.7 77.5



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.334 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

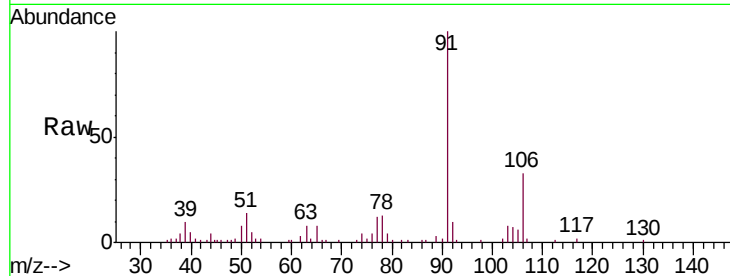
VSTD0.531

Tgt Ion: 91 Resp: 23548

Ion Ratio Lower Upper

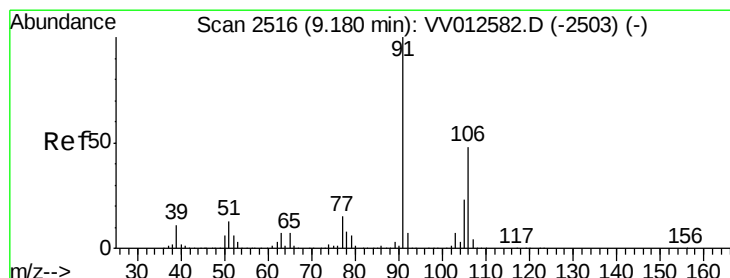
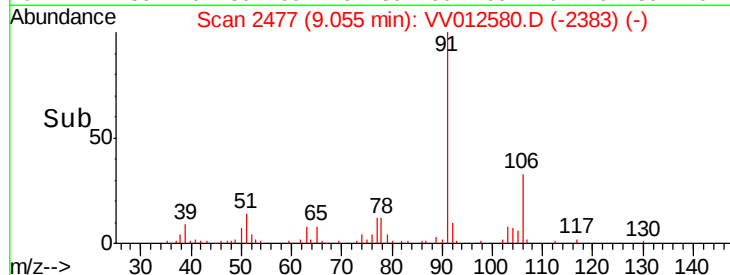
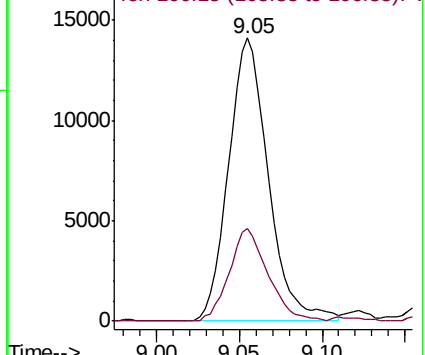
91 100

106 32.8 20.6 38.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 0.324 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012580.D

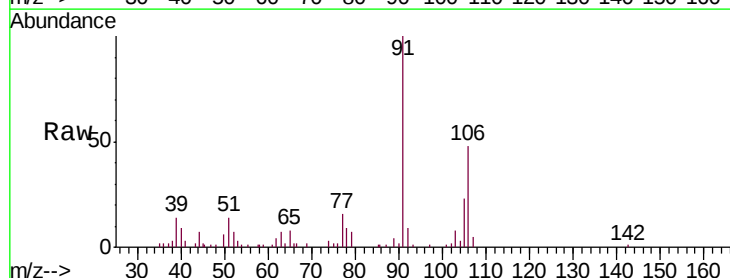
Acq: 05 Sep 2019 12:37

Tgt Ion: 106 Resp: 8322

Ion Ratio Lower Upper

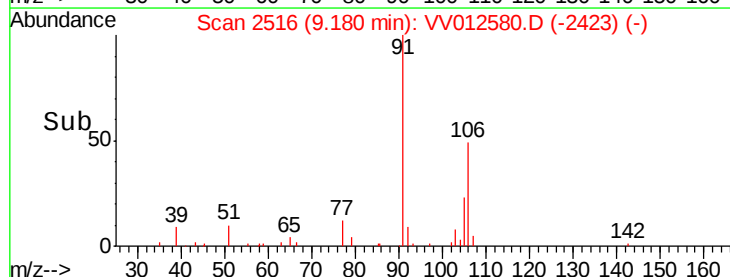
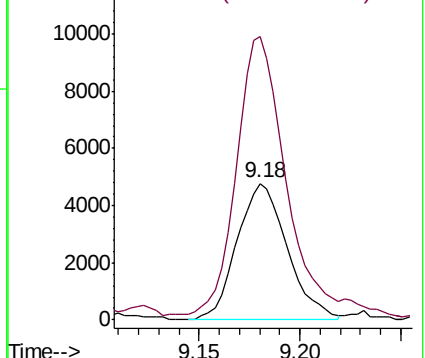
106 100

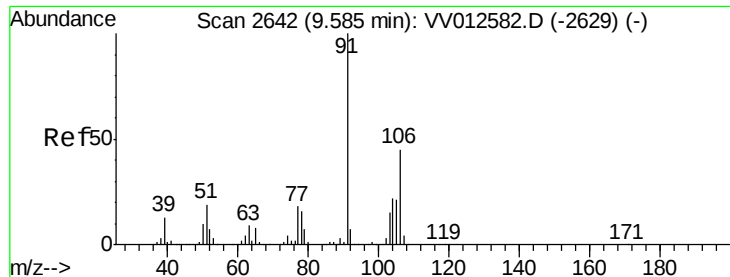
91 207.6 145.0 269.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 0.331 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

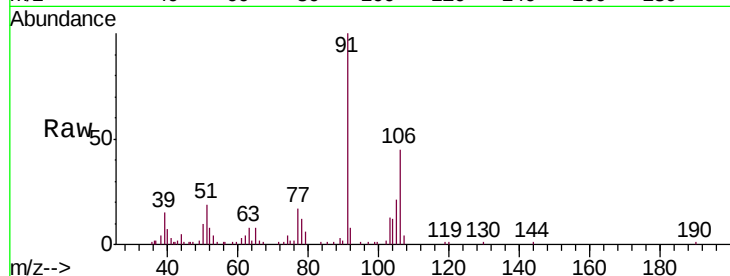
VSTD0.531

Tgt Ion:106 Resp: 7999

Ion Ratio Lower Upper

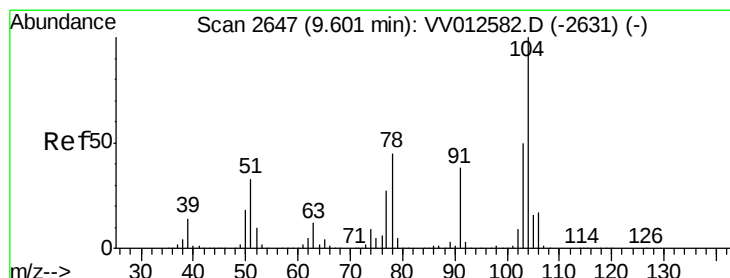
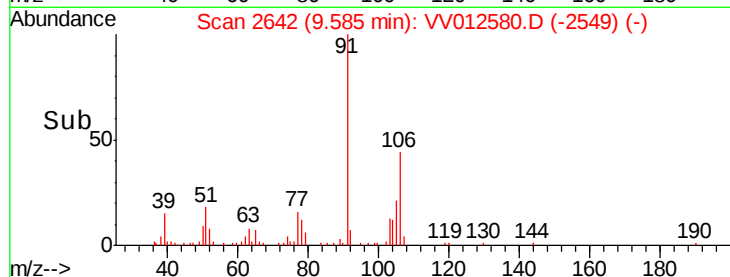
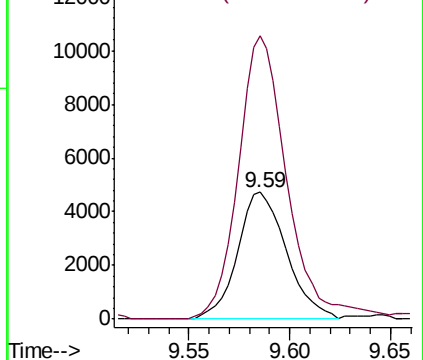
106 100

91 222.8 157.0 291.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.283 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012580.D

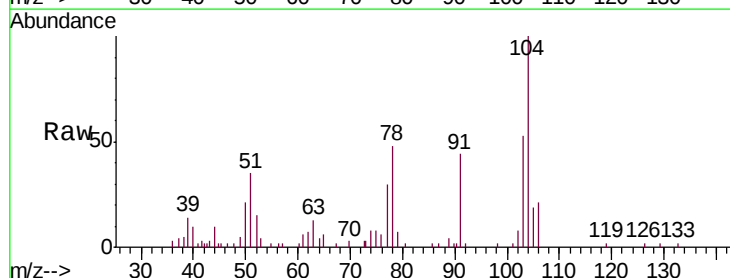
Acq: 05 Sep 2019 12:37

Tgt Ion:104 Resp: 11656

Ion Ratio Lower Upper

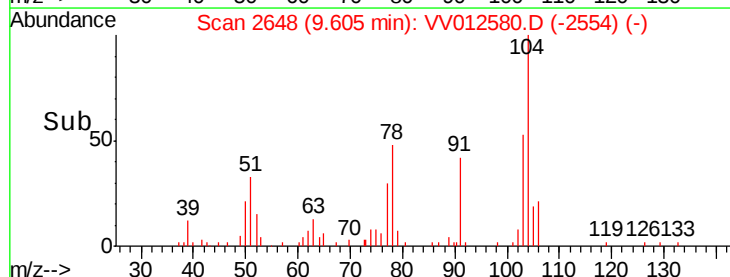
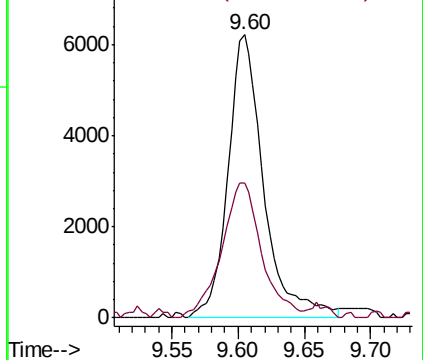
104 100

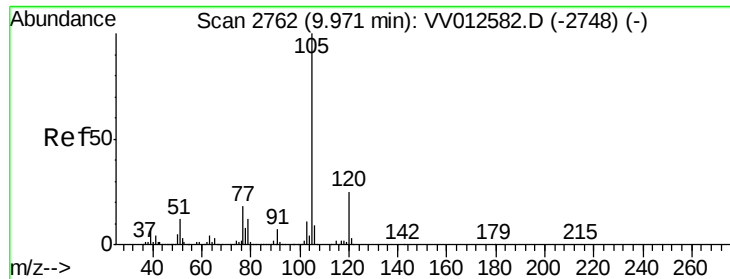
78 47.7 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.286 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

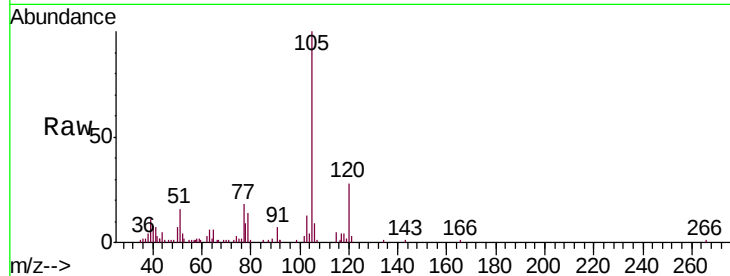
Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

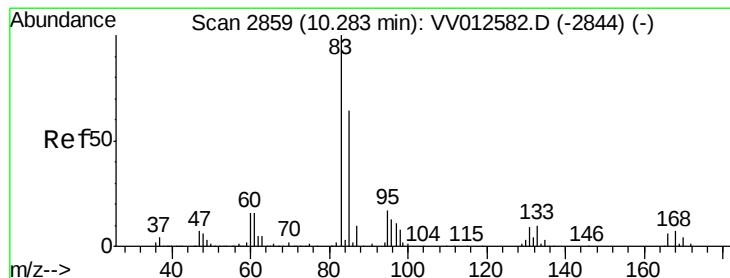
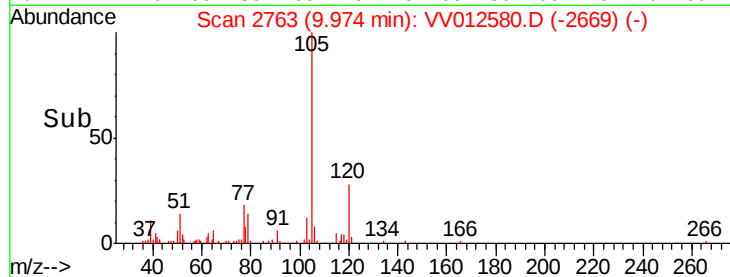
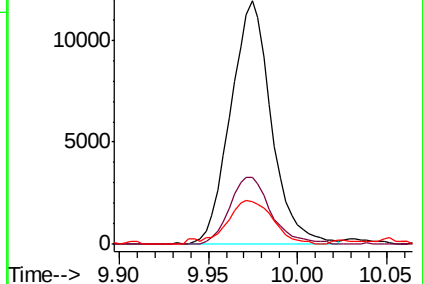
Tgt Ion:	105	Resp:	19017
Ion	Ratio	Lower	Upper
105	100		
120	28.0	20.6	30.8
77	19.9	14.2	21.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.409 ug/L

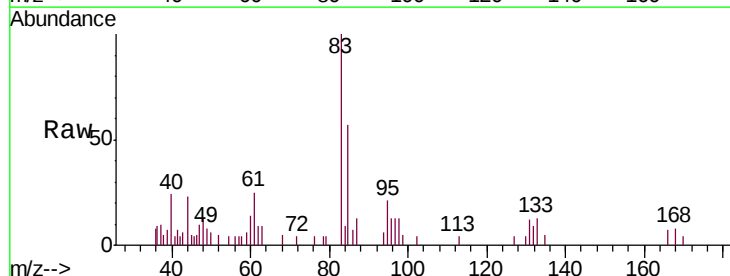
RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

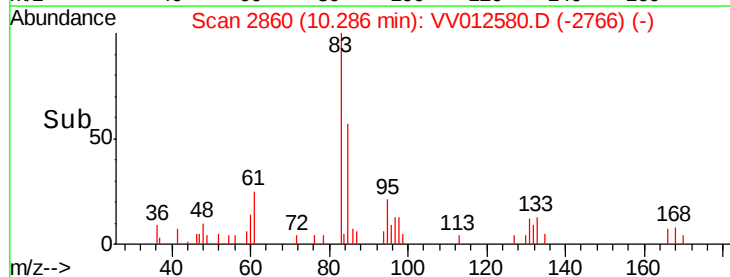
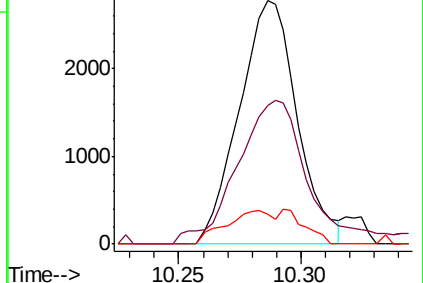
Tgt Ion:	83	Resp:	4563
Ion	Ratio	Lower	Upper
83	100		
85	57.0	44.7	82.9
131	12.2	7.4	11.2#

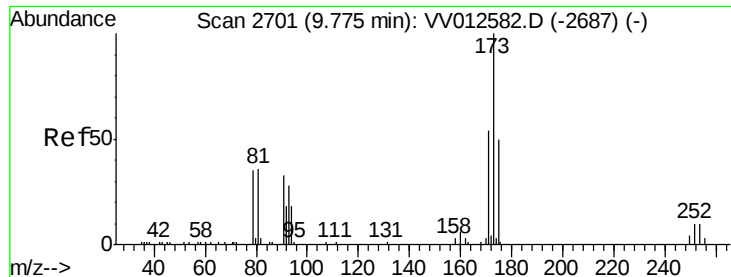


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#61

Bromoform

Concen: 0.525 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

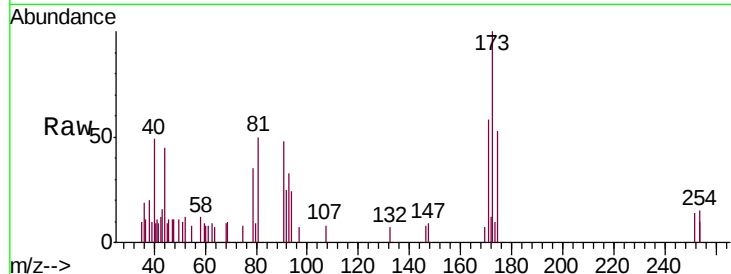
Tgt Ion:173 Resp: 2495

Ion Ratio Lower Upper

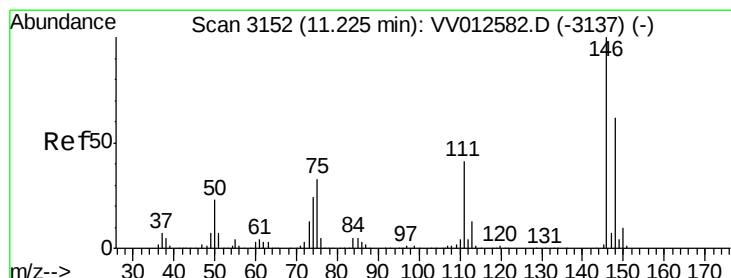
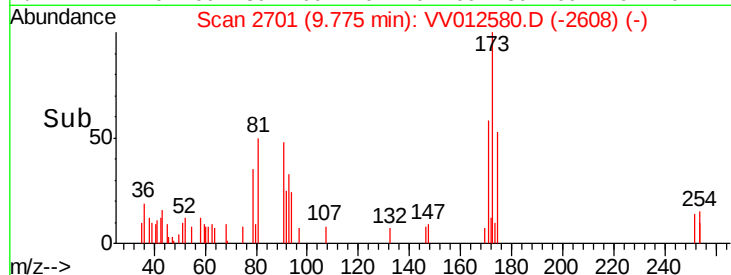
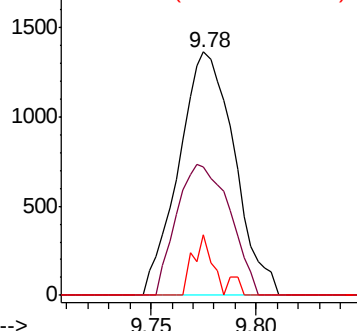
173 100

175 51.4 39.6 59.4

254 8.5 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 0.407 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

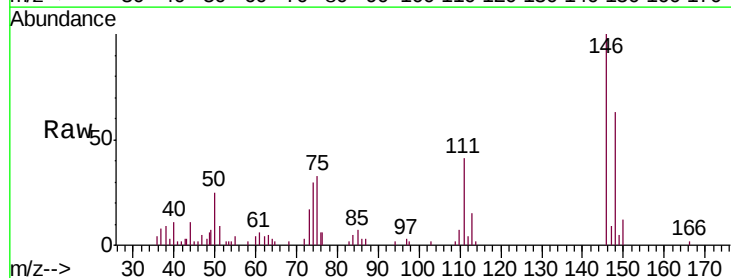
Tgt Ion:146 Resp: 10224

Ion Ratio Lower Upper

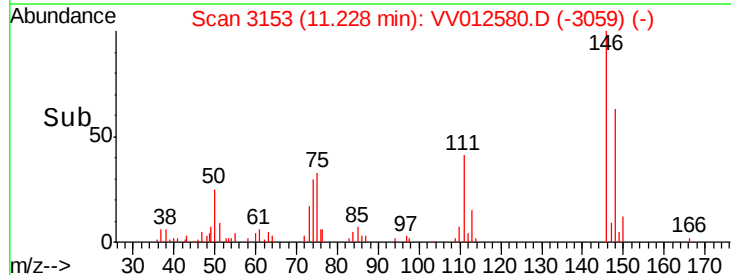
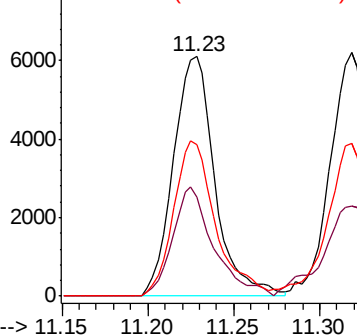
146 100

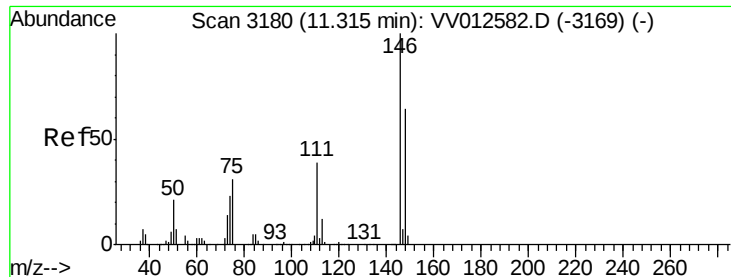
111 41.3 28.4 52.8

148 63.4 43.5 80.7



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

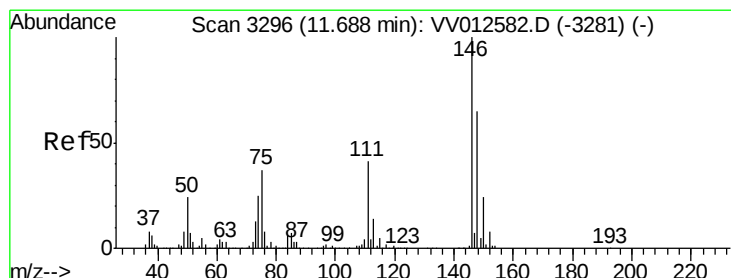
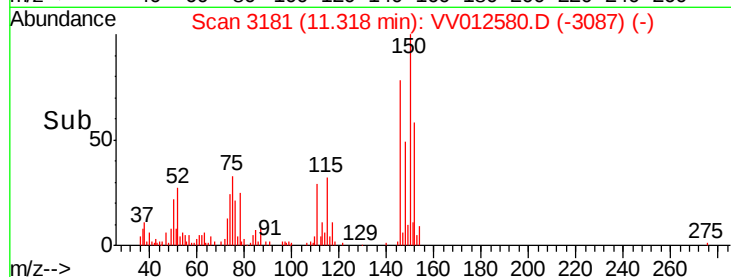
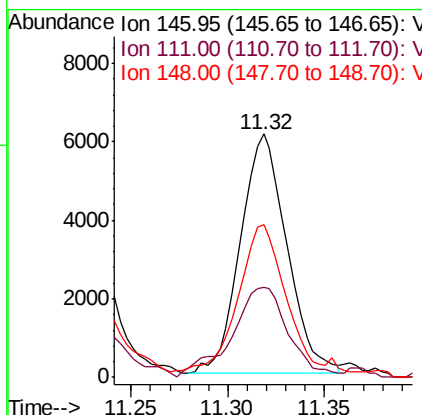
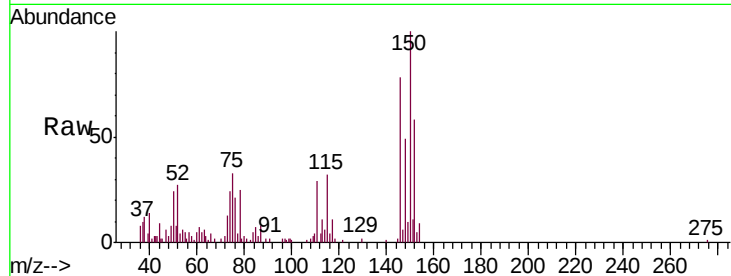




#63
 1,4-Dichlorobenzene
 Concen: 0.394 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

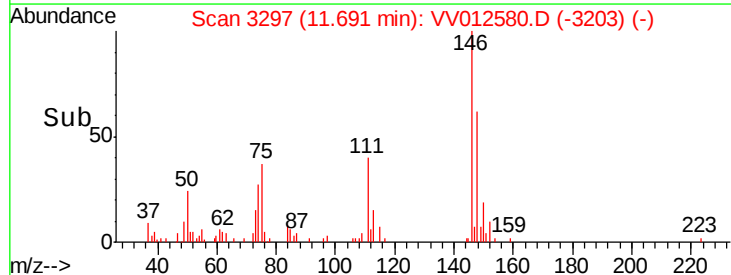
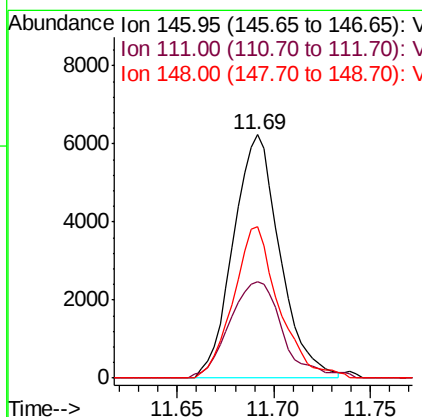
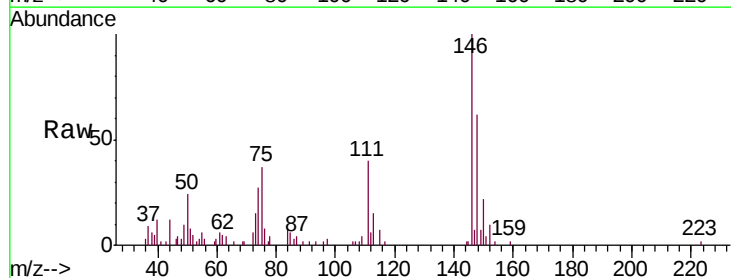
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

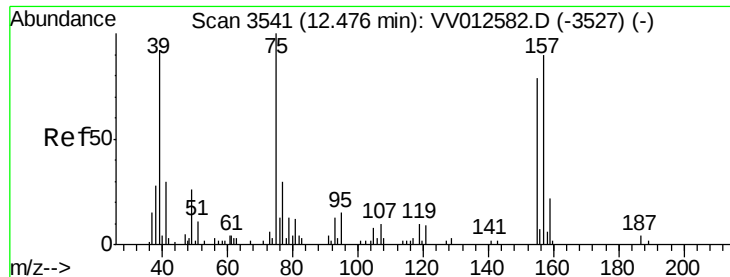
Tgt Ion:146 Resp: 10114
 Ion Ratio Lower Upper
 146 100
 111 37.0 27.5 51.1
 148 63.0 44.8 83.2



#65
 1,2-Dichlorobenzene
 Concen: 0.455 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion:146 Resp: 10479
 Ion Ratio Lower Upper
 146 100
 111 39.7 33.1 49.7
 148 62.5 52.2 78.4

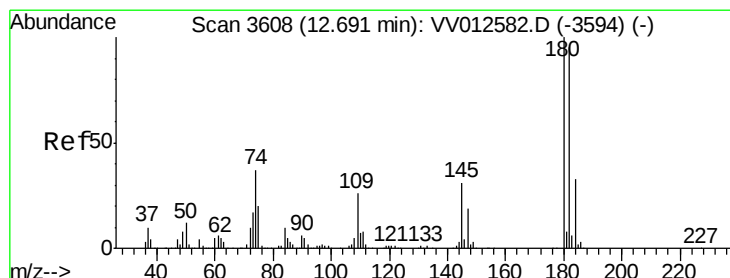
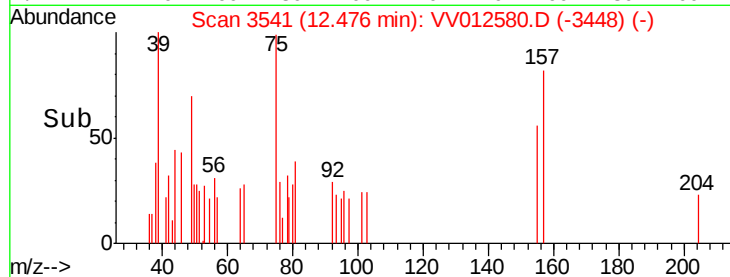
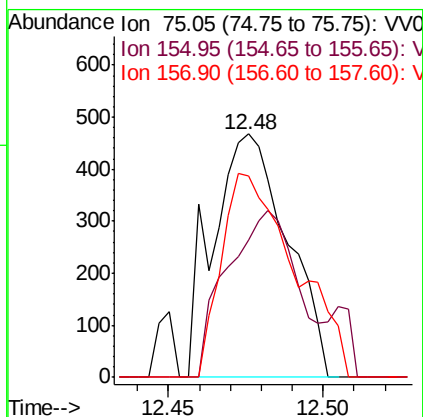
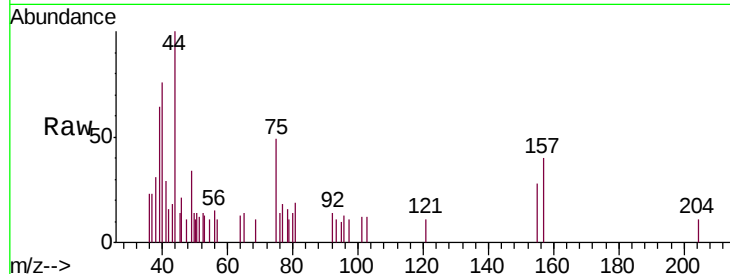




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.503 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

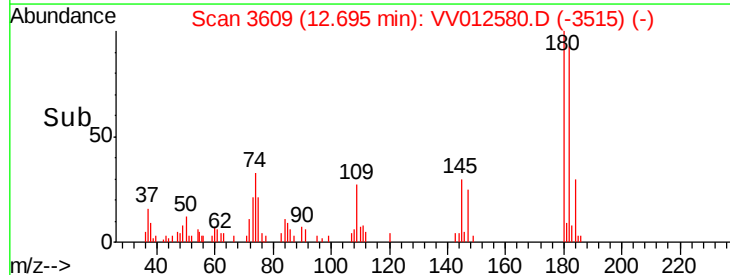
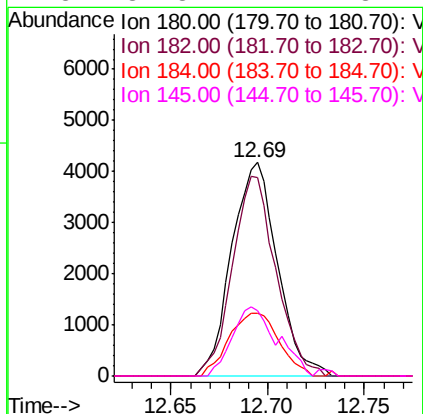
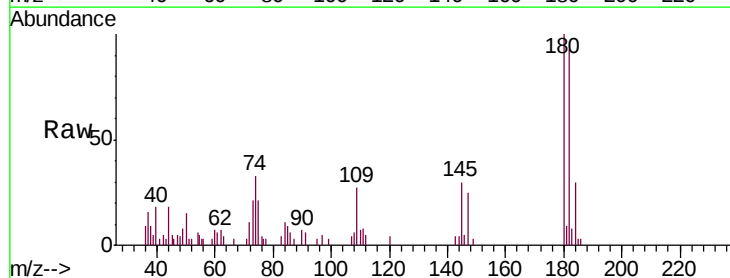
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

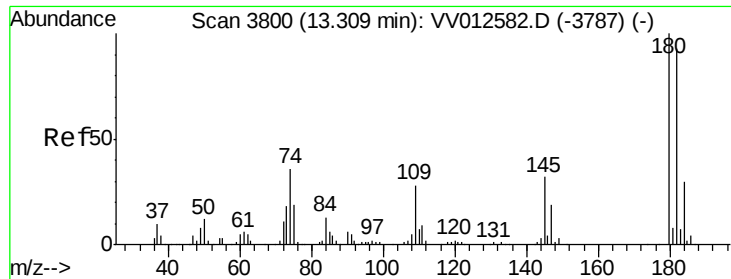
Tgt Ion: 75 Resp: 778
 Ion Ratio Lower Upper
 75 100
 155 56.4 63.0 94.6#
 157 82.5 72.2 108.4



#67
 1,3,5-Trichlorobenzene
 Concen: 0.378 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion: 180 Resp: 6863
 Ion Ratio Lower Upper
 180 100
 182 88.8 76.0 114.0
 184 32.3 25.3 37.9
 145 31.8 24.7 37.1

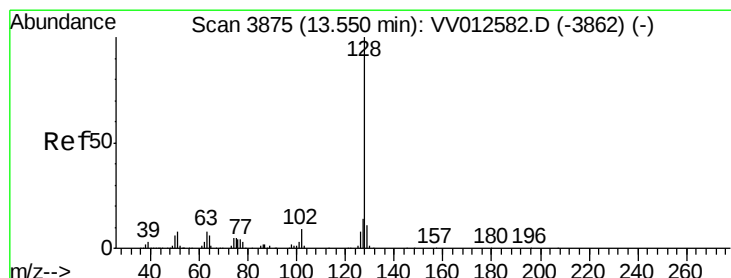
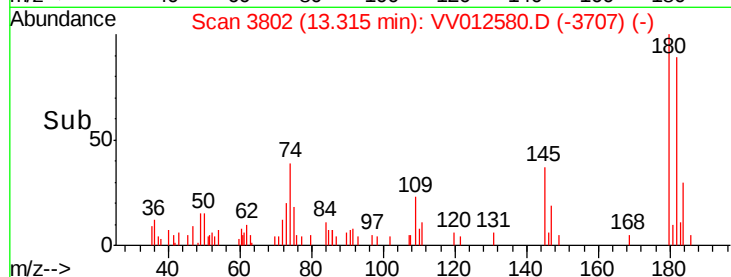
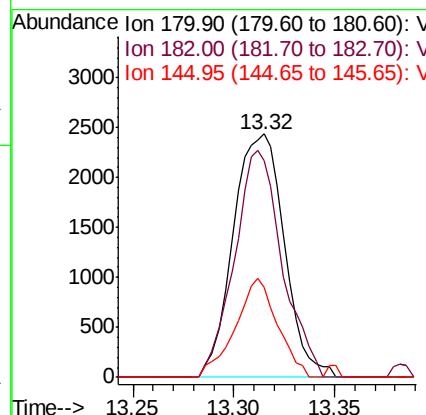
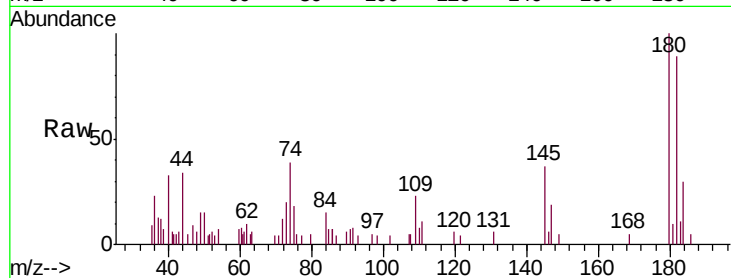




#68
 1,2,4-trichlorobenzene
 Concen: 0.332 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.01 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

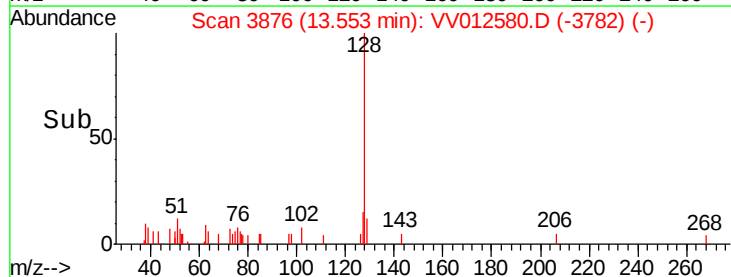
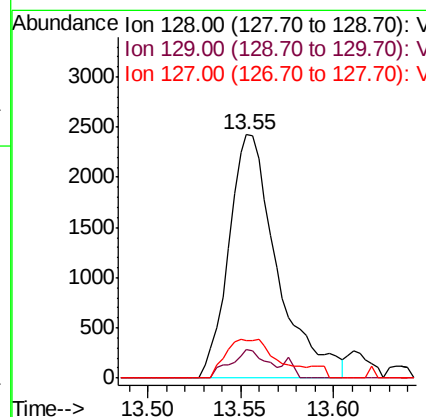
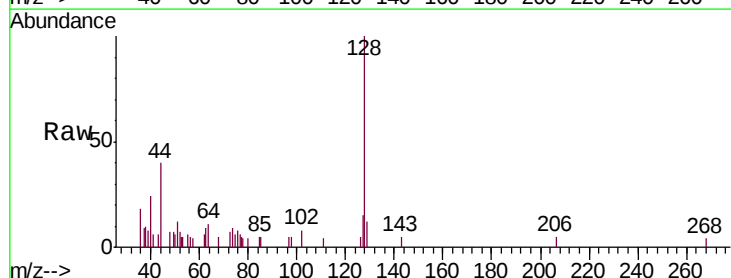
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

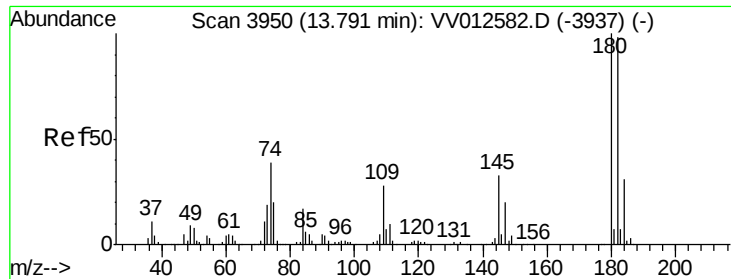
Tgt Ion:180 Resp: 4317
 Ion Ratio Lower Upper
 180 100
 182 86.7 74.7 112.1
 145 33.5 24.9 37.3



#69
 Naphthalene
 Concen: 0.228 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion:128 Resp: 4382
 Ion Ratio Lower Upper
 128 100
 129 8.4 8.6 12.8#
 127 16.9 11.1 16.7#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.342 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	77.8	116.6
145	34.4	26.8	40.2

